CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hospital, New York, N. Y., New York Ophthalmic Hospital, $6,000,000.

Bank and office, New York, N. Y., Amia Realty Corp., $5,000,000.

Waterworks, Seattle, Wash., City Council Utilities Com., $5,000,000.

Bridge, Grosse Isle, Mich., Detroit River-Canadian Bridge Corp., Chicago, Ill., $5,000,000.

Club house and office, Phila., Pa., Owner, c/o Simon & Simon, archts., $5,000,000.

Yarn Mill, Elizabethton, Tenn., Amer. Bemberg Corp., New York, $3,500,000.

Apartment and store, Chicago, Ill., P. F. Reynolds, $3,000,000.

Natural gas pipe line, Texas, Tri-Tex Utilities Co., San Antonio, $2,000,000.

Armory, Chicago, Ill., Perkins, Chatten & Hammond, archts., soon takes bids for One-Hundred-Twenty-Fourth Field Artillery, $1,500,000.

Apartment, New York, N. Y., New York Town House, $1,000,000.

Sanitarium, Lake Hopatcong, N. J., Deborah Sanitarium, Newark, $1,000,000.

High school, Topeka, Kan., election Nov. 6, $1,000,000.

Athletic club, Tulsa, Okla., Tulsa Athletic Club, $1,000,000.

Publishing plant, Detroit, Mich., Times Publishing Co., $1,000,000.

Bids Desired

Hospital, Milwaukee, Wis., Oct. 15, by E. Brielmaier & Sons, archts., for St. Joseph Hospital of Franciscan Sisters, $2,000,000.

Apartment, Chicago, Ill., Leichenko & Esser, archts., takes bids about Oct. 25, for W. J. Friedman, pres. corp., $1,500,000.

Sewers, Grand Rapids, Mich., bids about Dec. 15, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 196.

Contracts Awarded

Waterworks, New York, Bd. Water Supply, New York, to Patrick McGovern, Inc., New York, $42,692,568.

Theater and office, Newark, N. J., Fox Theaters Corp., New York, to Aronberg-Fried Co., New York, est., $7,500,000.

Furniture store, Toronto, Ont., J. Eaton Co., Ltd., general contract to G. A. Fuller Co. and others, total est. $2,500,000.

Oil pipe line, Texas, Texas Pipe Line Co., Houston, to Smith Bros., San Antonio, $2,000,000.

Plaza, Atlantic City, N. J., City Comrs., to Atlantic Constr. Co., and others, totalling $1,023,464.

Construction News of the Week

Waterworks

Proposed Work

O., Cincinnati—Hamilton Co., 15,708 ft. 6 in. c.i. mains in Water Supply Line 102, Dists. 2, 4 and 5. $30,582. L. C. Boyatt, Court House, engr.

O., Wickliffe—Preliminary surveys settling basins, enlarging capacity of filters, clear wells. $35,000. G. B. Gascoigne, 1149 Leader Bldg., Cleveland, consult. engr.

N. D., Watford City—Waterworks. $28,000. E. J. Thoms & W. Peterson, Minot, engrs.

Mont., Helena—Water supply. $614,000. V. N. Kessler, city clk.

Ark., Waldo — Preliminary plans waterworks. To exceed $15,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Okla., Blair—Waterworks. $30,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr. Noted June 28.

Colo., Calhan—City Council, G. E. Courter, clk., waterworks. A. A. Welland, 1st Natl. Bank Bldg., Pueblo, engr.

Wash., Seattle — City Council Utilities Com., O. T. Erickson, chn., extending, improving water supply at Cedar River. $5,000,000. W. D. Barkhuff, city engr. $11,000 appropriated for preliminary survey.

Ont., Hamilton — Extending in Charlton Ave. $122,000. W. L. McFaul, City Hall, engr.

Ont., Wheatley — Village soon takes bids waterworks plant, c.i. mains, valves, hydrants, electrical driven centrifugal pumps, reservoir or water tank. $50,000. A. F. Connor & Co., Metropolitan Bldg., Toronto, engrs.

Bids Desired

Mass., Boston—H. T. Stephens, archt., 152 Market St., Paterson, N. J., taking bids waterworks, incl. 1,200 lin.ft. 8 in. c.i. pipe, hydrants, 100,000 gal. storage tank, 35 ft. high on 20 x 200 ft. rein.-con. substructure. Owner, c/o architect. $20,000. Noted Oct. 4.

N. Y., Harrison — Oct. 19, by Bd. Trustees Westchester Joint Water Works 1, 8 Elm St., Mamaroneck, extending mains from Mamaroneck Pumping Station to North St. and Pleasant Ridge Rd. Alexander Potter, 50 Church St., New York, and R. H. Stevens, Larchmont, assoc. engrs.; adv. E. N.-R. Oct. 11.

N. Y., Long Island City—Oct. 16, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 39th Pl. and 44th St., 1st Ward; James, 35th and 52nd Sts., Cooper, Corona, Irving, Bourton, 49th, 64th, 66th, 70th, 76th, 78th, 88th, and 105th Sts., 2nd Ward; 52nd Rd., Willets Point Blvd., 24th and 48th Aves., 123rd, 147th, 157th, 162nd, 205th and 206th Sts., 3rd Ward; 84th Rd., 84th Dr., Depot Pl., Gold, Sage and Union Sts., 4th Ward.

N. Y., New York—Oct. 16, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., removing, replacing broken low pressure fire hydrants, setting valves on hydrant branches, removing, resetting low and high pressure hydrants, removing fountain hydrants, valve boxes on abandoned flushing hydrants in various streets, Manhattan Boro.

Md., Baltimore—Oct. 17, by Bd. Awards, curb stop and roadway valve boxes to Bureau Water Supply. E. G. Rost, water engr.

Ill., Chicago—Oct. 18, by City at office Bd. Local Impvts., City Hall, water service pipes in 23 streets and avenues. M. J. Faherty, pres.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ia., Essex—Oct. 15, by DeLos Quist, city clk., 50,000, 60,000 or 75,000 gal. steel tank, 90 ft. tower, 1,272 ft. 4- to 8-in. c.i. McWane open bell or LeLavaud or monolithic pipe 4 valves, boxes. Henningson Eng. Co., Union State Bank Bldg., Omaha, Neb., engrs.

Kan., Gypsum—City Clerk takes bids about Oct. 15, 4 mi. 4 and 6 in. c.i. pipe, 28 fire hydrants, 25 four and six in. valves, 50,000 gal. tank on 110 ft. tower, 50 g.p.m. vertical and 300 g.p.m. horizontal centrifugal pumps. $55,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted June 21.

Mo., St. Louis—Oct. 30, by Bd. P. Wks., City Hall, complete heat insulatfon on all piping, heaters, pumps, boilers, breachings, air ducts, air preheaters, and induced draft fans, Howards Bend Waterworks Station on Missouri River St. Louis Co. $55,000. L. Day, City Hall, comr.

Tex., Corsicana — Oct. 16, by City, c/o J. S. Murchison, mayor, extending waterworks, incl. c.i. distribution mains, 400,000 gal. elevated tank. $60,000. Hawley & Frees, 411 Capps Bldg., Ft. Worth, engrs.

Tex., Dallas—Oct. 22, by E. Goforth, city secy., concrete underground reservoir, pumping station. $200,000. D. Morey, Jr., 417 Praetorian Bldg., engr.

Okla., Maud—Oct. 16, by F. Fowler, city clk., extending 12,900 ft. 6 and 8 in. c.i. mains, 19 fire hydrants, one 70 g.p.m. deep well pump and motor. $40,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 9.

Contracts Awarded

New York—Bd. Water Supply, Municipal Bldg., New York, Water Tunnel 2, from Yonkers to point in Brooklyn, 20 mi. distant, to Patrick McGovern, Inc., 50 East 42nd St., New York, $42,692,568. Noted Oct. 4.

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenues B, P, V, W, X, to Manhattan Water Works, Inc., 2212 12th Ave., New York, $13,770. Noted Sept. 13.

N. J., Fairlawn—Mayor and City Council, School 3, wells, pumping equipment, to J. C. Grundy, 310 5th Ave., Paterson, $48,024. Noted Sept. 20.

Mo., St. Louis—Bd. P. Wks., City Hall, valves, piping, filters, tanks and pumps for gravity systems at Missouri River Waterworks, to E. P. Ambler, 2822 La Salle St., $13,147; iron railing in filter plant, to City Foundry Co., 811 Park Ave., $10,000; grading, concrete paving Fairview Ave., to W. Watters, 2611 South Kingshighway, $4,823. Grand total $27,970. Noted Aug. 30.

Tex., Dallas — City, c/o M. G. James, secy., purinfication plant, to P. C. B. Montgomery, Constr.-Industrial Bldg., $590,189. Noted Aug. 23.

Tex., Hidalgo — Central Power & Light Co., c/o F. C. Ludden, dist. mgr., San Benito, waterworks, incl. laying pipe, mains, some lateral, constructing 50,000 gal. stand pipe. $30,000. Owner builds under supervision R. J. Randolph, McAllen, superv. Private plans.

Sewers

Proposed Work

N. Y., Long Island City — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., rejected bids Sept. 27, sewer in Beach 136th St. Noted Sept. 20.

See proposal advertising on page 140

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

N. J., Union — Town Com. preliminary plans vitr. tile sewers in Elm St., Baltimore Ave., Augustine, Waldorf and Tebe Pls. $25,000. H. Kreh, Falls Bldg., twp. engr.

Miss., Flora—Soon takes bids complete sanitary sewerage system. $36,000 bonds voted for same. H. A. Mentz, Hammond, La., engr. Noted Sept. 6.

Mich., Hastings—Sewage disposal plant for entire system. $30,000. Giffels, Hamilton & Webber, Grand Rapids Natl. Bank Bldg., Grand Rapids, engrs.

Calif., Sacramento — City Council main trunk line sewer, laterals in North B St. from 5th to 18th Sts. $350,000. S. I. Hart, city engr.

Ont., Hamilton — Rein.-con. activated sludge system sewage disposal plant, pumps, piping, aerators, tanks, at Lottridge Inlet. $195,000. W. L. McFaul, City Hall, engr.

B. C., New Wesminster—Vancouver and Dist. Joint Sewage & Drainage Bd., Glenbrook sewer. $90,000. Work will probably be done by force account. E. A. Cleveland, 500 Beatty St., engr.

Bids Desired

Ind., Anderson — Oct. 15, by M. H. Downey, city engr., district sewer. $309,000.

Mich., Grand Rapids — Bids about Dec. 15, sewage disposal plant. $1,000,000. M. Adams, City Hall, engr. Noted Apr. 12.

Ill., Chicago—Oct. 18, by City at office Bd. Local Impvts., City Hall, tile sewers, brick manholes, catch basins in 13 streets and avenues; drains in 30 streets and avenues. M. J. Faherty, pres.

Ill., Metropolis—Oct. 15, by City Clerk, 32,752 ft. 6- to 15-in. vitr. clay sewers. $53,000. P. B. Wilson, Marion, engr. Noted July 5.

Contracts Awarded

Me., Portland—For 604 ft. of 44 x 56 in. rein.-con., brick sewers in Park Ave., to C. Profenno, Portland. Est. $25,000.

Mass., Milton—Town Sewerage Dpt., 1 story, brick, pumping station, Libby Rd., East Milton, to Cross & Roberts, Inc., Statler Bldg., Boston.

Mass., Nantucket—Weston & Sampson, engrs., 14 Beacon St., Boston, sewerage system, to Cenedella & Co., 68 School St., Milford, $29,112; pumping station, to J. E. Ballentine, 79 Sudbury St., Boston, $35,000. Noted Sept. 27.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Neptune Ave., to T. J. Graham, 8621 86th St., $98,187; East 8th St., to Manmill Constr. Co., 1780 Pitkin Ave., $2,180; East 19th St. and Avenue U, to R. Iovino, 678 Glenmore Ave., $605; Avenue S and Lenox Rd., to R. Nazzaro, Inc., 7101 11th Ave., $3,022 and $4,596 respectively. Grand total $108,590. Noted Aug. 30.

N. Y., Long Island City — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Beach 132nd St., to J. Gallo, 169-10 State St., Flushing, $112,022. Noted Sept. 20.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Fox Beach and Hunter Aves., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $69,672 and $17,996 respectively. Noted Sept. 20.

Md., Baltimore—Bd. Awards, sewer inlet, similar iron castings, Material Contr. 72, to Amer. Brake Shoe & Fdry. Co., Fulton Station, $23,890; vitr. terra cotta sewer pipe, Material Contr. 73, to Belair Building Supply Co., 5502 Belair Rd., $19,379. Noted Sept. 20.

Ill., Chicago—Bd. Local Impvts., City Hall, tile sewers, brick catchbasins, manholes in Cullom Ave., to Michael Pontarelli, 4848 Dakin St.; Foster and North Lawndale Aves., to L. Scully, 82 West Washington St.

Ia., Orange City—Sewage disposal plant, Imhoff tank, rock filters, to Repass Bros., 502 Frankel St., Des Moines, $19,706. Noted Sept. 13.

Neb., Omaha—To Humphreys Bros., 408 Securities Bldg., sewers in Dist. 971 $8,256, Dist. 974 $2,938, Dist. 1020 $941, Dist. 1021 $3,542, Dist. 1023 $1,664; to Gus Carlson Co. 4665 Pierce St., Dist. 972 $11,974. Grand total $29,315.

Neb., Rushville—Sewerage system, to Charles Robeck Co., 408 Security Bldg., Omaha, $43,880. Noted Sept. 13.

Okla., Clinton—For 36,000 ft. 8 and 10 in. vitr. clay sewers in Sewer Dist. 8, to Standard Paving Co., 2119 East 11th St., Tulsa $65,710. Est. $68,000.

Ont., Toronto—Sewers in Commissioners St., to T. Agnew, 350 Concord Ave., $22,367; Alexandria Blvd., to Mitchell Contg. Co., 28 Moore Ave., $8,150; Belsize Dr., to P. Corradi, 19 Hocken Ave., $3,249; Traumer Ave., to Risscica Bros., 84 Woodycrest Ave., $2,152; Don Roadway, to City by day labor, $15,335. Grand total $51,253.

Waste Disposal

Proposed Work

N. J., Millburn—Twp. Comn., Town Hall, incinerator. $70,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

Contracts Awarded

N. C., Charlotte—Incinerator building, installing equipment, to McClelland Co., 9 West 3rd St., $165,711. Noted Aug. 23.

Bridges

Proposed Work

Mich., Grosse Ile — Detroit River-Canadian Bridge Corp., 400 North Michigan Ave., Chicago, Ill., 3 or more span, 8,500 ft. steel, concrete bridge over Detroit River. $5,000,000. Standish Eng. Corp., 400 North Michigan Ave., Chicago, Ill., engrs.

Iowa—See "Contracts Awarded."

Mo., St. Louis—Bd. P. Serv., City Hall, rein.-con. viaduct to carry Morgan Ford Rd. over River Des Peres near southern city limits. $110,000. L. R. Bowen, City Hall, engr.

California—State Hy. Comn., Sacramento, bridge over Ventura River between Santa Clara and Meta Sts., Ventura Co. $250,000. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Bids Desired

N. Y., New York—Oct. 24, by A. Goldman, comr. Plant & Structures, Municipal Bldg., Manhattan Boro, East 238th Street Bridge over Bronx River Valley, Bronx Boro.

New Jersey—Oct. 22, by State Hy. Comn., Trenton, bridge over north channel Toms River, at M. P. 48.1, Route 4, Ocean Co. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 11.

Ala., Risco (mail Adamsville)—Nov. 6, by Jefferson Co. Bd. Revenue, Birmingham, 4 span, 400 ft. concrete bridge over Warrior River. $85,000. C. J. Rogers, Birmingham, co. engr. Noted May 3 under "Birmingham."

Iowa—Oct. 16, by State Hy. Comn., Ames, 240 x 20 ft. cantilever deck truss bridge with three 80 x 20 ft. approach spans, B-250, Dallas Co.—40 x 24 ft. concrete deck girder bridge, B-230, Dickson Co.—50 ft. rein.-con. arch bridge, F.A.B. 250, Louisa Co.—70 x 24 ft. through plate deck girder bridge, B-543, Washington Co.—three 40 x 24 ft. skew I-beam spans, 16 x 24 ft. concrete slab bridge and 32 culverts, B-579, Woodbury and Plymouth Counties—1 box culvert extension, P-544, Monroe Co. R. F. White, hy. comr.

Minn., Duluth—Oct. 20, by P. G. Phillips, comr. Dpt. P. Wks., City Hall, Lake Avenue South Bridge across Duluth Ship Canal. Harrington, Howard & Ash, 1012 Baltimore Ave., Kansas City, Mo., engrs.; adv. E. N.-R. Oct. 11.

Kan., Hillsdale—Oct. 19, by Clerk Miami Co., Paola, one 100 ft. and four 40 ft. span deck girder and arch bridge, Federal Aid Project 293-D, near here. Kansas Eng. Co., 601 Kansas St., Topeka engrs. Noted Mar. 1 under "Paola."

Kan., Wellington—Oct. 16, by Clerk Sumner Co., one 30 ft. and eleven 50 ft. span deck girder bridge, 20 ft. wide, alternate 1, one 30 ft. and seven 80 ft. steel truss spans, alternate 2, seven 77 ft. spans, concrete arch, 20 ft. wide; also four 50 ft. deck girder span bridge, 20 ft. wide. J. W. Mavity, Court House, engr. Noted July 26.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, steel, concrete bridge over Northern R.R. of New Jersey and Susquehanna & Western R.R., Hudson Co., to M. Millimet, Inc., 988 Bergenline Ave., Union City, $149,240. Noted Aug. 30.

Pa., McDonald—Comrs. Washington Co., Court House, Washington, general contract McBride Bridge over Racoon Creek 9, near here, to Shaid Eng Co., Elkins, W. Va., est. $40,000; Barington Bridge over Racoon Creek 18, to Purdy & Saunders, Imperial, est. $45,000.

Maryland—State Roads Comn., Baltimore, bridges, Contr. P-87, Prince George Co., to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $18,739—Contr. Ch-51, Charles Co., and Contr. P-88, Prince George Co., to Luten Bridge Co., York, Pa., $16,906 and $7,851 respectively—Contr. B-90, and Contr. B-93, Baltimore Co., to H. T. Campbell Sons Co., Towson, $21,713 and $7,404 respectively—Contr. F-180, Frederick Co., to Poffinberger & Mause, Myersville, $1,904. Grand total $74,517.

North Carolina—State Hy. Comn, Raleigh, rein.-con. bridges Catawba Co., to E. A. Wood & Co., Andrews, $80,942—Wake Co., to T. A. Loving & Co., Goldsboro, $34,049—Alexander Co., to Kiker & Yount, Reidsville, $27,882. Grand total $142,873. Noted Aug. 30.

Kentucky — State Hy. Dpt., Frankfort, substructure bridge over Cumberland River in Bell Co., to F. W. Graham Co., Pineville, $24,022; bridge over Simpson Creek, Nelson Co., to J. V. Schickli, Louisville, $15,169. Noted Sept. 13.

O., Youngstown—Bridge on North Watt St., to Swingle & Robinson Co., Columbus, O., $66,647.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in White Co., to Carmichael Cryder Co., Rialto Bldg., St. Louis, Mo., $122,010—Lake Co., to Taylor Constr. Co., Hubbard Woods, $22,792—Morgan Co., to G. G. Prendergast, St. Louis, Mo., $63,186—Whiteside and Henry Counties, to Stevens Bros., Endicott Bldg., St. Paul, Minn., $17,386—Morgan Co., to Illinois Steel Bridge Co., Jacksonville, $5,226—De Witt and Hancock Counties, to Zimmerly Bridge Co., Paris, $15,764—Boone Co., to Widell Co., Mankato, Minn., $34,102—Iroquois Co., to J. S. Woolf, Libertyville, $15,451. Grand total $298,817. Noted Apr. 26, June 7 and July 5.

Wisconsin — State Hy. and St. Croix, Clark and Eau Claire Counties Hy. Comns., 213 South Barstow St., Eau Claire, Augusta-Fall Creek Rd. Overhead Bridge, Project 395-D, Eau Claire Co., to Guaranty Constr. Co., 416 Essex Bldg., Minneapolis, Minn., $31,791. Noted Sept. 13 under "Streets and Roads."

Iowa—State Hy. Comn., Ames, bridge in Chickasaw Co., to Lundgren-Reis Co., 125 College St., Des Moines $14,930—Jackson Co., to P. Jayne, 2201 Mt. Vernon Ave., Cedar Rapids, $1,975—Pottawattamie Co., to Schaaf & Jacobson, Lake Park, $2,994—Warren Co., to B. Cole & Son, Ames, $58,945—Washington Co., to Iowa Bridge Co., Eastern Blvd. and 19th St., Des Moines, $1,431—Cherokee Co., to Christensen Bros., Tyler, $4,075. Grand total $84,360. Rejected bids 1 slab and 1 deck girder bridge in Fayette Co. Noted Sept. 27.

Kan., Norton—See "Streets and Roads."

Kan., Smith Center—See "Streets and Roads."

South Dakota—State Hy. Comn., Pierre, bridge in Minnehaha Co., to Pioneer Bridge Co., Mitchell, $35,398—Butte and Lawrence Counties, to Willis Bonesteel Co., Wagner, $7,691 and $9,129 respectively—Gregory Co., to Noonan-Hyde Co., Watertown, $5,461—Ziebach Co., to W. H. Pringle, Pierre, $8,190—Moody Co., to J. G. Corenson, Trent, $5,474—Custer Co., to Northwestern Eng. Co., Kadoka, $5,758—guard rail for 14 counties, to Summit Constr. Co., Summit, $18,715. Grand total $95,816.

Dams

Proposed Work

Mich., Morley—Stevens & Wood, engrs., 120 Bway., New York, making preliminary studies and plans for dam for Consumers Power Co., 244 West Michigan Ave., Jackson. Noted Mar. 29.

Texas—Central Power & Light Co., c/o Frost Bldg., San Antonio, and Texas Power Co., Dams 4 to 8 (inclusive), 15,000 hp., concrete, across Guadalupe River between New Braunfels and Gonzales. $75,000. Private plans.

Railways

Proposed Work

Texas—Kansas City Southern Ry. Co., A. N. Reece, ch. engr., Kansas City, Mo., 17 mi. new switching tracks at Beaumont. $300,000.

Bids Desired

Pennsylvania—Oct. 17, by Dpt. P. Wks., Bureau of Engineering & Survey, Phila., Schedule A, Frankford Bustleton and Byberry Surface Railway in Castor Ave. between Oxford Circle and point north of Cottman St.; Schedule B, paving Frankford Ave. between Cheltenham and Longshore Aves., in Philadelphia.

Contracts Awarded

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, D. W. Harvey, ch. engr., 1¼ mi. double track 12 in. concrete roadbed, new 100 lb. street railway track on St. Clair Ave., in Toronto, day labor. $400,000.

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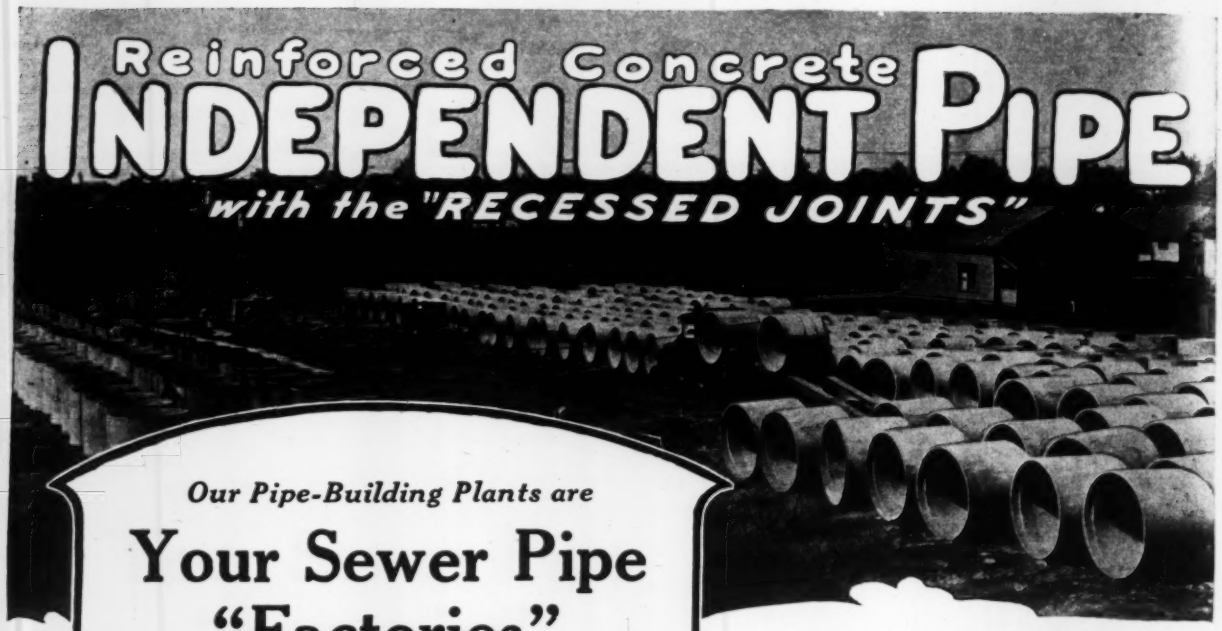
Reinforced Concrete INDEPENDENT PIPE

with the "RECESSED JOINTS"



Our Pipe-Building Plants are

Your Sewer Pipe "Factories"

Benefit Local Business—Save Money

THE selection of INDEPENDENT Reinforced Concrete Pipe not only assures the construction of a permanent and efficient sewer at lowest cost, but it brings definite and immediate business benefits to your city.

Our special plant is established near the sewer site, and at once begins to build the pipe needed for the project—buying local materials and using local labor, wherever possible. For the time being, this plant is a "Home Industry" for your city.

The pipes are built exactly to specifications, by "factory" methods, which save time and money. Quality is guarded at every step by our trained superintendents and your inspectors. When properly cured, the pipe sections are delivered along the sewer line, ready for the contractor to lay.

Let us point out the many other advantages of using "The Permanent Pipe with the Recessed Joints."

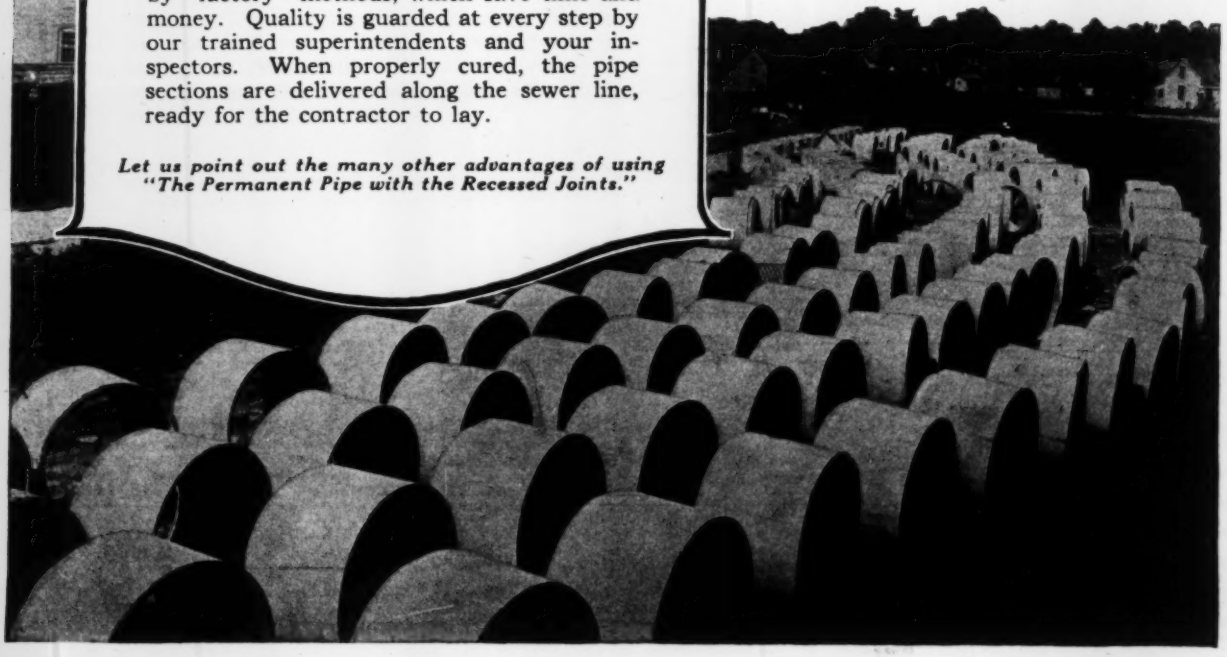
Above—"Independent" Plant building concrete pipe for large sewer at Indianapolis

INDEPENDENT CONCRETE PIPE CO.

202 N. West St.,
Indianapolis, Ind.

America's Largest Producers of Reinforced Concrete Sewer Pipe, exclusively; in sizes from 24" to 108".

Below—"Independent" Plant at Rushville, Ind., manufacturing reinforced concrete pipe for a new sewer in that city.



Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Lynn—City, R. S. Bauer, mayor, soon takes bids bulkhead, dredging flats, bulkhead granite blocks. $500,000-$700,000. Morris-Knowles, Westinghouse Bldg., Pittsburgh, Pa., engrs. Noted Aug. 16.

N. Y., Rye—V. Green Co., Inc., Greenhaven, soon takes bids dredging, filling, bulkheads for waterfront development. F. H. Harris, 551 5th Ave., New York, consult. engr.

Bids Desired

N. Y., New York—Oct. 19, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., dredging in Manhattan Boro, Contr. 1926; dredging slips adjacent to Pier 46, North River, Contr. 1927.

Contracts Awarded

Mass., Hatfield — Dpt. P. Wks., Boston, 1,150 ft. earth dike, furnishing 8,500 tons rip rap, to Kelliher Corp., Turners Falls, $22,520. Noted Oct. 11.

O., Cincinnati — Hamilton Co., Court House, retaining wall, fill in Muddy Creek, north of Cincinnati Ave., to Everett Rininger, Cleves, $19,310. Est. $27,050. Noted Aug. 16.

Streets and Roads

Bids Desired

Rhode Island—Oct. 17, by State Bd. P. Rds., Providence, 8 in. rein.-con. paving 3.22 mi. Contr. 2807, Warwick and Cranston; 6 in. bituminous macadam, penetration method paving 4 mi. Contr. 2814, Jamestown; adv. E. N.-R. Oct. 11.

Connecticut—Oct. 15, by J. A. MacDonald, state hy. comr., Hartford, rein.-con. paving 9,535 lin.ft. hys. in Westport; adv. E. N.-R. Oct. 11.

N. Y., Brooklyn—Oct. 17, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, grading, curbing, flagging, asphalt on 6 in. concrete paving 17th Ave.—grading, curbing, asphalt on concrete paving Westbury Court, Parrot Pl., 20th and Narrows Aves., Bay 7th and Elton Sts.—grading, curbing, flagging Bay 7th, Bay 8th, West 6th and 13th Sts.

N. Y., Long Island City—Oct. 15, by B. P. Patten, pres., Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks on Pavo Rd. and 162nd St. 43rd and Central Aves., 4 ft. stone gutters 162nd St.—sheet asphalt on concrete paving Pavo Rd.—granite block on concrete paving Flushing Ave.

N. Y., New York—Oct. 16, by Park Bd., W. R. Herrick, pres., The Arsenal, 64th St. and 5th Ave., Central Park, asphalt repaving walks in Riverside Park.

N. Y., New York City—Oct. 17, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., grading, sewers, culverts guard rails asphalt on concrete paving 151st and 231st Sts., Nereid, Wilcox, Lacombe, Arnow, Harrison, Burr, Andrews, Fenton, Mace and Allerton Aves.

N. J., Bayonne—Oct. 16, by Bd. City Comrs., City Hall, grading, curbing, sidewalks, rein.-con., paving 1,700 sq.yd. and Belgian Block repaving 100 sq.yd. West 10th St. from Avenue C to Bway. W. P. Lee, city clk.

N. J., Livingston — Oct. 15, by Twp. Comn., Central School, bituminous macadam paving Hillside Ave. $25,000. Freeman & Winston, MacIntosh Bldg., West Orange, engrs.

N. J., North Bergen (Ind. br. West New York)—Oct. 25, by Twp. Comn., Town Hall, grading, 5 ft. concrete sidewalks on Paterson Turnpike from Bergen Turnpike to westerly terminus. $25,000. R. Glenn, Town Hall, twp. engr.

N. J., Weehawken—Oct. 15, by Bd. Hudson Co. Blvd. Comrs., Court House, Jersey City, grading, 34,000 sq.ft. sidewalks on Boulevard East from Duer Pl. to Pershing Rd. $25,000. F. J. Radigan, Court House, Jersey City, co. engr.

Pa., Phila. — Oct. 16, by Dpt. P. Wks., Bureau of Hys., grading, asphalt paving, improving country roads, asphalt, and redressed granite block repaving, reconstructing steps on Montgomery Avenue Bridge.

Pa., Phila.—See "Railways" under "Pennsylvania."

Florida—Oct. 30, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee (**P. means Project**), alternate types paving 9.92 mi. Rd. 1, P. 672, Leon Co.—14.97 mi. Rd. 1, P. 673, Gadsden Co.—grading, 10.17 mi. Rd. 42, P. 738, 9.45 mi. Rd. 96, P. 820, and 5.19 mi. Rd. 96, P. 821, Jefferson Co.—17.54 mi. Rd. 10, P. 788, 10 mi. Rd. 115, P. 842, 4.23 mi. Rd. 33, P. 733, 7.89 mi. Rd. 40, P. 734, 13.71 mi. Rd. 40, P. 735, 7.28 mi. Rd. 40, P. 751, and 8.72 mi. P. 752, Walton Co. J. L. Cresap, state hy. engr.

Fla., Tampa—Oct. 18, by D. B. McKay, mayor, concrete curbing, paving 362.3 ft. 12th Ave. R. Casin, 208 Brooks Ave., engr.

Ala., Birmingham — Oct. 19, by City Comn., 2 in. asphalt on 5 in. concrete paving 7 blocks Finley Ave. $26,500. A. J. Hawkins, city engr.

Ala., Montevallo—Oct. 16, by Town, at office J. R. Johnson, mayor, grading, sewers, sidewalks and concrete paving 17,000 sq. yd. Robert L. Totten, Inc., B-M Bldg., Birmingham, consult. engrs.

Kentucky — Oct. 31, by State Hy. Dpt., Frankfort, surfacing 5.5 mi. Mayfield-Clinton Rd., S. P. 7-A. S, Graves Co.—furnishing, delivering as directed 15,000 tons crushed stone on 14.2 mi. Madisonville-Dixon Rd., S. P. 2-D, Hopkins Co. J. S. Watkins, hy. engr.

Ill., Cairo—Bids about Oct. 15, grading, rock asphalt resurfacing 35,920 sq.yd. Dist. 7. $35,116. G. F. Dewey, City Hall, engr. Noted Mar. 10, 1927.

Ill., Chicago—Comrs. Cook Co. bids about Oct. 12, improving 2.2 mi. 28th St.—3 mi. 1st Ave.—1 mi. Taft Rd. $248,000. G. A. Quinlan, 139 North Clark St., engrs.

Ill., Chicago—Oct. 18, by City, at office Bd. Local Impvts., City Hall, grading, 7 in. concrete paving 2 alleys—grading, curbing, guttering, sewers, asphalt concrete paving West 79th Pl., West 80th, 81st, Goodman and Mozart Sts., Constance, Saginaw, Matson, Miami, Princeton, Yale, South Hamilton, Leamington, Sacramento, Talman, Washtenaw, Fairfield, California, Francisco, North Mason and North Mormon Aves. M. J. Faherty, pres.

Iowa—Oct. 16, by State Hy. Comn., Ames, grading 9.948 mi. P-246 Keokuk Co.—2.909 mi. P-579-B, Plymouth Co.—6.03 mi. P-579-A, Woodbury Co.—1.11 mi. F-222, Van Buren Co.—paving 4.927 mi. F-239-A Appanoose Co.—8.322 mi. F-15 and 1.637 mi. P-605, Mills Co.—0.84 mi. P-543 Washington Co.—7.076 mi. F-91 and 4.747 mi. F-150, Wayne Co.—graveling 10 mi. P-486, Allamakee Co.—10.02 mi. P-277-B, and 8.25 mi. P-560 Bremer Co.—8.4 mi. P-533 Jackson Co.—12.6 mi. P-99 Jasper Co.—1.34 mi. P-294 Monroe Co.—4.2 mi. P-474 Wright Co.—3.32 mi. F-303 Tama Co.—7,100 cu.yd. channel change, Rd. 62, P-600, near Bellevue Jackson Co. R. F. White, hy. comr.

Ia., Primghar—Oct. 16, at office Auditor O'Brien Co., graveling 8.5 mi. roads in Omega and Waterman Twps. W. L. Anderson, Primghar, engr.

Kan., Winfield—Oct. 17, by Clerk Cowley Co., grading 3.879 mi. Federal Aid Project 230-F, 32 ft. Former bids rejected. B. Boyle, Winfield, engr. Noted Sept. 6.

Tex., Dallas — Oct. 22, by Comrs. Court Dallas Co., grading, drainage structures on Buckner Blvd.; improving Forney and East Grand Aves., and West Jefferson extension and Barnes Rds. C. E. Gross, aud. Noted Sept. 27.

Tex., Edinburg—Oct. 29, by Hidalgo Co. Rd. Dist. 4, c/o A. W. Cameron, judge, grading, paving 20 mi. roads. P. S. Devine, Pharr, engr.

Tex., Lefors — Oct. 22, by Comrs. Gray Co., grading, bridging 16 mi. Hy. 33 from Pampa to Roberts Co. line, $110,000; hard paving 5 mi. hy. south from Pampa on Oil Field Rd., $90,000. C. L. Hasle, Memphis, engr.

Tex., Port Aransas—W. R. Swan, Port Aransas, representative Syndicate taking bids hard paving 10 mi. road from Padre Island terminal of Don Patricio causeway to Beach Dr. $175,000. Private plans.

Nevada—Oct. 17, by State Hy. Comn., Carson City, grading, crushed graveling 20 mi. Route 3, Sect. 3, Esmeralda Co. S. C. Durkee, state hy. engr.

Calif., Los Angeles—Oct. 22, by Supervs. Los Angeles Co., grading, oil and rock surfacing 96,084 sq.ft. Prairie Ave. $48,852. G. W. Jones, Hall of Records Bldg., engr.

Ont., London—See "Contracts Awarded."

Contracts Awarded

Maine—State Hy. Dpt., Augusta, graveling 2.54 mi. hy. in Solon and Bingham, to I. J. Murphy, 12 Westwood Rd., Somerville, Mass.

Vt., Windsor — Hy. Dpt., Montpelier, rein.-con. paving 1.1 mi. hy., to Lane Constr. Corp., 37 Colony St. Meriden, Conn. Est. $25,000.

Massachusetts — Dpt. P. Wks., State House, Boston, graveling, oiling 9,200 ft. hy. in Princeton and Westminster, to Waterbury Rd. Constr. Co., Inc., Mansfield Depot, Conn., $38,241; rein.-con. paving 5,150 ft. Watertown, to T. McCue, 264 North Beacon St., Watertown, $69,881. Noted Oct. 11.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading East 95th St., to R. Lynster, 464 East 49th St., $3,213—Sea View Ave., to J. Cassalino, 211 North 7th St., $7,114—Union St., to J. J. M. Eng. & Contg. Co., 413 Sterling St., $814—grading, sheet asphalt on concrete paving East 36th St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $6,033. Grand total $17,174. Noted Aug. 16.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, bituminous macadam paving Lee Ave., to Banbro Constr. Co., 24 Elizabeth St., West New Brighton, $16,288. Noted Sept. 20.

New Jersey — Bd. Freeholders Passaic Co., Court House, Paterson, paving Praget Ave., Clifton, and Stevens Ave., Little Falls to Francisco Bros., Ridge Rd., Little Falls, $37,079.

N. J., Clifton — Bd. City Council, City Hall, curbing, sidewalks on Harding Ave. and 3rd St., to B. E. Daniels Co., Inc., 349 Franklin Ave., Nutley, $33,070.

N. J., Hillside (br. Newark) — Twp. Com., Town Hall, grading, curbing, sheet asphalt on 6 in. concrete paving Liberty Ave., to J. F. Chapman & Son, 1439 North Broad St., Hillside, $34,035. Est. $42,000.

N. J., Newark—Sheet asphalt on concrete paving Johnson Ave. and Shofield St., to J. B. Gilligan Casey Co., 972 Broad St., $28,019. Noted Sept. 20.

N. J., Weehawken—Bd. Blvd. Comrs., Court House, Jersey City, sheet asphalt on 8 in. concrete paving Boulevard East between King Ave. and Duer Pl., to Clinton Asphalt Co., 308 16th St., Union City, $29,528. Noted Sept. 20.

Pa., Monessen—J. C. Lermann, city clk., vitr. brick paving Alliquippa, Indiana and Lenawee Aves., to P. D'Renzio, Fayette, $26,000. Noted Sept. 20.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Duffin Bros., Penn and Womrath Sts., grading Belgrade St. $800; Kingston St. $1,881; Masland St. $1,079—to J. Herzog, 4314 Old York Rd., Boudinot St. $219; Ellicot St. $5,816—to J. E. Molloy, 15 East Mermaid St., Erdrick, Sanger, Tackawanna and Valley Sts. $3,539—to L. Dolente, 5,122 Master St., Island St. (east side) $18,249—to Wilson-Martin, Inc., 1501 North 2nd St., Large St. $965; improving Ditman and Emerson (country) Rds. $4,742; Tudor St. $2,349; Vista St. $4,033—to F. Cellucci, 644 North 65th St., grading Locust St. $706—to R. B. Wenner, 2819 West Gordon St., Mermaid St. $855—to M. Masse, 3936 North Reese St., Oakley, Rockwell and Shelmire Sts. $7,563—to W. J. Harper Co., 430 East Moyer St., Tudor St. $1,005—to T. P. Lee, 5629 Cherry St., 60th St. $876—to Municipal Constr. Co., Washington Sq. Bldg., asphalt paving (assessment work), Charles Erdrick and Walker Sts. $26,291; Gardenia St. $5,429; Hartel St. $16,141; Lindbergh Blvd. and 61st St. $19,522; Lindley St. $12,287; 18th St. $8,424; asphalt repaving Amber and Madison Sts. $21,463; Mildred and Sheridan Sts. $1,729; Pike, Reese and 6th Sts. $15,936—to Barber Asphalt Co., Hunting Park Ave. and E St., asphalt paving (assessment work) Guilford and Teesdale Sts. $14,275; Magee St. $10,839—to Union Paving Co., 123 South 21st St., Guyer Ave. $3,888, Medary St. $8,584; improving Tinicum St. $62,577—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) St. Vincent St. $9,361—to M. Y. Neely, Inc., Bustleton, improving Dungan Rd. $3,875—to Frank Mark Constr. Co., Caster and Winghocking Sts., Fuller Rd. $3,202—to Curtis Bros., 6640 State Rd., Hasbrook Rd. $5,474—to F. A. Carruso & Son, 804 South 12th St., Oakley, Rockwell and Shelmire Rds. $14,710—to Elkins Paving & Constr. Co., 834 Holly St., constructing runways and improving Municipal Aviation Field, Penrose Ave. and Island Rd. $7,500. Grand total $326,083.

Pa., Wilkinsburg—Allegheny Co., Court House, Pittsburgh, rein.-con. paving 4,221 ft. Graham Blvd., 18 and 27 ft., to McCrady Bros., Braddock, $50,505. Est. $85,000. Noted Sept. 6.

Maryland — State Roads Comn., Baltimore, concrete shoulders on 7.2 mi. Allegany Co., to Cumberland Contg. Co., Cumberland, $22,733—6.85 mi. Frederick Co., to L. R. Waesche, Thurmont, $45,012 — concrete paving 1.75 mi. Garrett Co., to T. D. Cialbone, Garet Bldg., Baltimore, $46,202. Grand total $113,947.

W. Va., Charleston—Kanawha Co., concrete paving 5,500 sq.yd. Dunbar-Sattes Rd., to Ferguson Bros. Shinnston, $68,405. Noted Sept. 13.

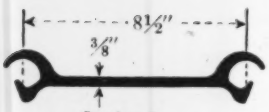
Constr. News page 195

TWO *NEW* LACKAWANNA STEEL SHEET PILING SECTIONS

Section DP 166 —16" x 6" Deep-Arch Piling is especially suitable for bulkheads, retaining walls and other applications in which great strength is required.

This New Section weighs 42.6 lbs. per lineal foot and 32 lbs. per square foot of wall, and is deeper, thicker and stronger than the DP 165, 16" x 5" Deep-Arch Section, which it supplements. Its Section Modulus per lineal foot of wall is— Single, 15.21 in.³; Interlocked, 24.81 in.³

Section DP 166



Section 8a

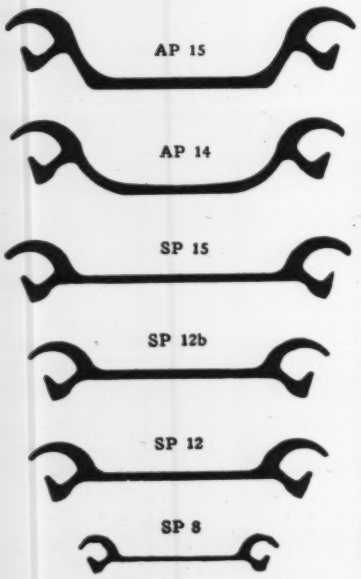
Section SP 8a— 8½" Straight-Web Piling— meets the demand for a light-weight Section with minimum web thickness of ⅜", so often specified for cut-off walls and similar uses.

These new Lackawanna Steel Sheet Piling Sections occupy a place on our regular rolling schedules. Orders can be filled promptly.

A wall made entirely of Section DP 165 or the New Section DP 166, appears as diagramatically shown here. Unusual strength and rigidity are outstanding features of a wall of this depth and design.

Here we show either Deep-Arch Section DP 166 or DP 165 interlocked alternately with the new Straight-Web Section SP 8a. This combination is most suitable for installations in which the strength and light weight of Deep-Arch Sections are desired but where a shallow wall is necessary.

Each Lackawanna Steel Sheet Piling Section has its own particular applications and its own features of design. For your information, we list below a few of the characteristics of other Lackawanna Sections. More detailed data can be obtained from Bulletin 115.



Arched-Web Section AP 15 is a 15" Pile with 4-1/8" overall depth. It weighs 58.1 lbs. per lineal foot and 46.5 lbs. per sq. ft. of wall. Web thickness is 9/16".

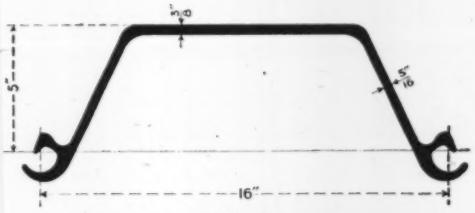
Arched-Web Section AP 14 is a 14" Pile with 3-11/16" overall depth. It weighs 40.8 lbs. per lineal foot and 35 lbs. per sq. ft. of wall. Web thickness is 3/8".

Straight-Web Section SP 15 is a 15" Pile, weighing 42.6 lbs. per lineal foot and 34.1 lbs. per sq. ft. of wall. Web thickness is 3/8".

Straight-Web Section SP 12b is a 12-¾" Pile, weighing 40.9 lbs. per lineal foot and 38.5 lbs. per sq. ft. of wall. Web thickness is ½".

Straight-Web Section SP 12 is a 12¾" Pile, weighing 37.2 lbs. per lineal foot and 35 lbs. per sq. ft. of wall. Web thickness is 3/8".

Straight-Web Section SP 8 is an 8½" Pile, weighing 14.7 lbs. per lineal foot and 20.8 lbs. per sq. ft. of wall. Web thickness is 13/64".



DP 165

Deep-Arch Section DP 165 is a 16" x 5" Pile, weighing 33.3 lbs. per lineal foot. Since its introduction about six months ago, DP 165 has been used extensively. It has fulfilled every claim, and its success has led to the introduction of a second Lackawanna Deep-Arch Section, the new DP 166.

If you have not already received a copy of Bulletin 115, write now to the Bethlehem District Office nearest you.

BETHLEHEM STEEL COMPANY

General Offices: BETHLEHEM, PA.

District Offices: New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Cincinnati, Detroit Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products

BETHLEHEM

Streets and Roads (Continued)

W. Va., New Cumberland—Hancock Co., surfacing 1 mi. Butler Dist. Rd., to F. Robinson, New Cumberland, $30,000.

W. Va., New Martinsville — Wetzel Co. surfacing 12 mi. North Fork Rd., to Davis & Pattison, Linesville, Pa., $82,184; grading 3½ mi. Pt. Pleasant Rd. and road from Maney Run to Porters Falls, to Keeley Constr. Co., Clarksburg, $34,277.

W. Va., Winfield—Grading 74,000 cu.yd. Project 3311, Hurricane-Mt. Vernon Rd., to Reed & Lapsley, Stop 8, South Charleston, $36,583.

North Carolina — State Hy. Comn., Raleigh, grading, topsoiling 12.56 mi. Anson Co., and 8.35 mi. Rockingham Co., to W. E. Graham, Mt. Ulla, $46,007 and $43,186 respectively — 3.06 mi. Cherokee Co., to Gambill Constr. Co., Asheville, $34,750—10.12 mi. Stanley Co., to L. J. Smith, Asheville, $54,226 — grading, concrete paving 6.23 mi. Alamance Co., to Coastal Constr. Co., Florence, S. C., $132,633—7.62 mi. Halifax Co., to Roberts Paving Co., Salisbury, Md., $154,762—2.7 mi. Mecklenburg Co., to Porter Constr. Co., Dothan, Ala., $54,786. Grand total $520,350. Noted Aug. 30.

Ga., Brunswick — Paving, to Langston Constr. Co., Orlando, Fla., $108,865. Noted Nov. 24.

Florida—State Roads Dpt., F. A. Hathaway, chn., Tallahassee, concrete paving 17.982 mi. Leon Co., to Nelson Bros., Clearwater, $391,282.

Fla., Gainesville—At office Bd. Bond Trustees Special Road & Bridge Dist. 1, Alachua Co., 150,000 sq.yd. single surface treatment on limerock paving, clearing, grubbing, timber bridges, culverts, to L. M. Gray, Gainesville. Noted Sept. 13.

Ala., Birmingham—City Comn., to Wesco Co., Martin Bldg., removing wooden blocks, sheet asphalt paving 21st St. Viaduct, $7,228 2 in. asphalt on 5 in. concrete paving 18th St. Ensley $8,530; 2 in. asphalt on 6 in. concrete paving 19th St., Ensley, $30,429—to Dunn Constr. Co., Lincoln Life Bldg., 3rd Ave. N., $14,410—to Richardson Trading Co., American-Traders Bldg., 6 in. concrete paving 1st Alley southeast of Bush Blvd., $1,088; Highland Alley, $975—to W. H. Pattie, 1566 North 23rd St., 2 in. asphalt on 5 in. concrete paving 6th Ave. S., $3,105—to Newall Constr. Co., Martin Bldg., 2½ in. asphalt paving 55th Pl. S., $3,220—to Sinclair Transfer Co., 423 17th St., 5 in. concrete paving Bush Blvd., $2,065—to Independent Paving Co., 3828 1st Ave. S., 2 in. asphalt on 5 in. concrete paving 6th Ave. and 52nd Pl., S., $7,602. Grand total $78,652. Noted Sept. 20.

Kentucky — State Hy. Dpt., Frankfort, grading, using 1st class rein.-con. pipe 6.291 mi. road in Calloway Co., to Bradley & Wilson, Kevil, $43,581—6.117 mi. Casey Co., to Cundiff & Carrigan, Liberty, $55,437—6.25 mi. Henderson Co., to Carter, Carter & Braden, Clay, $57,806—12.659 mi. Henry Co., to Kinser & Oller Co., Litchfield, $62,028—2.839 mi. Powell Co., to Mason Constr. Co., West Point, $49,687—6.481 mi. Lincoln Co., to M. Lutes & Son, Lexington, $63,211—2.840 mi. Green Co., and grading, traffic bound macadam surfacing 17.549 mi. Anderson Co., to H. S. Type & Son, Eminence, $60,822 and $165,928 respectively—traffic bound macadam surfacing 2.086 mi. Franklin Co., to Frankfort Supply Co., Frankfort, $11,660—8.726 mi. Henry and Shelby Counties, to Hoke Co., Beuchel, $31,329—4 mi. Pendleton Co., to J. S. Walton Co., Bradenburg, $42,861—4.936 mi. Robertson Co., to J. M. Perkins Co., Frankfort, $39,027—river gravel on bank gravel surfacing 6.399 mi. Webster Co., to N. E. Stone & Co., Madisonville, $49,581. Grand total $732,958.

O., Beachwood (br. Cleveland)—Bituminous concrete paving Campus Rd. and Beachwood Blvd., to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $19,910 and $28,850 respectively.

O., Cincinnati—C. O. Sherrill, city mgr., improving Lester Rd., to Brewer & Brewer Sons, 215 Hazen Bldg., $57,533—Madison Rd., to A. J. Henkel Constr. Co., Bell Blk., $50,591 — Hamilton Ave., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., $43,553. Grand total $151,577. Noted Aug. 30.

O., Kenmore—Sheet asphalt resurfacing south side Kenmore Blvd. between 12th and 18th Sts., to Columbus Asphalt Paving Co., Buckeye Bldg., Akron, $26,546, est. $25,000—North 13th St., to McCourt Constr. Co., 369 South Main St., Akron, $26,816, est. $30,000—brick paving North 10th St., to Thorpe Constr. Co., Akron, $27,708, est. $25,000. Grand total $81,070.

O., Salem—Bd. Control, asphalt resurfacing Grant, Etna and Pershing Aves., to Kelly-Myer, Poland Ave., Youngstown, $31,876. Est. $34,000. Noted Mar. 22.

O., Youngstown — Improving Andrews Ave., to H. E. Cubbertson Co., 476½ Lucknaupt Ave., Cleveland, $166,822. Est. $175,000.

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 0.971 mi. MO50-6, C-1, 20 ft., Macomb Co., to J. McKay & Son, Detroit, for State Hy. Dpt., Lansing. $53,800 incl. cement. Noted Aug. 23.

Michigan—A. R. Schaefer, resident engr., Newberry, concrete paving 0.931 mi. MO49-15, C-1, 20 ft., Mackinac Co., to Marsman & Taber, Grand Rapids, for State Hy. Lpt., Lansing. $29,682 incl. cement. Noted Sept. 6.

Illinois — State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving bridging Madison and St. Clair Counties, to Stocker Gravel & Constr. Co., Highland, $208,970—Randolph Co., to Moore Bros. Constr. Co., East St. Louis, $296,147—paving Lake Co., to M. R. Homer Constr. Co., Omaha, Neb., $141,869—McLean and De Witt Counties, to Wabash Constr. Co., Vincennes, Ind., $141,737—St. Clair Co., to H. H. Hall, East St. Louis, $23,469—Whiteside and Henry Counties, to Stevens Bros., Endicott Bldg., St. Paul, Minn., $206,454—Kendall Co., to Hurden Constr. Co., Springfield, $8,892—Green Co., to McElwee & Rogy, Peoria, $13,342—McHenry and Lake Counties, to Kapschull Davis Co., Deerfield, $162,673—Shelby and Moultrie Counties, to J. C. O'Connor & Sons, Ft. Wayne, Ind., $300,698—Peoria and Tazewell Counties, to Jansen & Schaefer, Pekin, $16,268—grading White Co., to Keating Bros., St. Louis, Mo., $104,640—Bureau Co., to Horton & Sternberg, Chicago, $55,771—Pike Co., to S. J. Groves & Sons, Globe Bldg., Minneapolis, Minn., $44,104—Livingston Co., to Duncan Constr. Co., La Salle, $33,570—Cass and Morgan Counties, to Feiner & Luick, St. Louis, Mo., $74,748. Grand total $1,833,352. Noted Apr. 26, June 7 and July 5.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving Belle Plaine, Bates and South Homan Aves., to White Paving Co., 1735 Fullerton Ave.—Kimball and North Mansfield Aves., to Barber Paving Co.—grading, curbing, guttering, sewers, 8 and 10 in. concrete paving Glory Pl., Moffat St. and Haddon Ave., to J. A. Ross & Co., 4561 Armitage Ave.—South Kedzie Ave., to Ready Coal & Constr. Co.—Granville, Glenlake, North Harding, Springfield, Avers and Hamlin Aves., to Marquette Constr. Co., 4726 North Winchester St.

Ill., Forest Park—Concrete paving 10,130 sq.yd. Madison Ave., 21,396 sq.yd. Roosevelt Rd., and 10,354 sq.yd. 15th St., to Universal Paving Co., 228 North La Salle St., Chicago, $88,640. Noted Sept. 20.

Ill., Summit—Concrete paving 12,700 sq. yd., to G. F. Santry & Co., 3331 Flournoy St., Chicago, $55,177.

Wisconsin—State Hy. Comn., Madison, concrete paving 4.8809 mi. Project 444-D, Washington Co., to Lex Constr. Co., West Allis, $154,039.

Wisconsin — State and St. Croix, Clark and Eau Claire Counties Hy. Comns., 213 South Barstow St., Eau Claire, grading 49,959 cu.yd. Augusta-Fall Creek Rd., Project 395-D, to L. R. Pierce, Appleton, $16,473—concrete paving 3,178 sq.yd. same road, to A. R. Garnock, Eau Claire, $7,955—grading 17,509 cu.yd. Stanley-Thorp Rd., Project 6676, Option C, to Ferd Grahl Constr. Co., Medford, $8,920—Option B, same road, to G. F. Toebe, Chippewa Falls, $3,647 — 49,227 cu.yd. Project 6993, St. Croix Co., to L. A. Bumgardner Co., 317 Hackney Bldg., St. Paul, Minn., $23,322. Grand total $50,317. Noted Sept. 13.

Wis., Milwaukee—To Schwerm Bros., 50 Lee St., grading, paving 1 alley $1,503; Dixon St. $3,084—to A. E. Retzlaff, 868 Island Ave., Chambers St. $5,174—to Gumz & Switalski, 831 13th Ave., 15th Ave. $27,564; 62nd St. $4,872; 63rd St. $15,124—to White Constr. Co., 68 East Wisconsin Ave., Milwaukee St. $10,780—to N. Harris, Girard and St. Albian Sts., Park Hill Ave. $1,540; St. Paul Ave. $1,512—to F. W. Blodgett, Inc., 521 Newton Ave., 30th Ave. $4,404—to J. C. Bluhm & Son, 1299 Achilles Ave. Windemere Ct. $4,067. Grand total $79,614.

Wis., Milwaukee—To Gumz & Switalski, 831 13th Ave., grading, paving 1 alley $4,450; Rhode Island Ave. $2,646; 31st Ave. $5,126; 22nd Ave. $26,782—to C. F. Wussow, 1067 39th St., American Ave. $1,717; 14th Ave. $3,532; 13th Ave. $2,540; 12th Ave. $2,685 Wilbur Ave. $3,253—to H. R. Houtkamp, 501 2nd Ave., Clement Ave. $1,792; 13th St. $1,792; 13th St. $1,969, 27th St. $161—to Schwerm Bros., 50 Lee St., Wisconsin Ave., $714; Roosevelt Dr. $18,602—to F. W. Blodgett, 521 Newton Ave., Whitnall St. $10,495—to J. C. Bluhm & Son, 1299 Achilles Ave., Concordia Ave. $3,260—to Bonness & Sprout, 1226 3rd St., 11th St. $1,664—to A. J. Koch, 1297 Cramer St., Martin St. $7,536—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Lincoln Ave. $29,430; Locust St. $5,412; Quincy St. $6,609. Grand total $140,375.

Ia., Hampton—Curbing, 6 in. rein.-con paving 12,300 sq.yd. 7 streets, to Bemis & Schlick, 503 Surety Bldg., Des Moines, at $2.09 per sq.yd. Noted Sept. 6.

Ia., McGregor—Asphaltic concrete paving 29,982 sq.yd., to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City. Est. $72,000.

Ia., Toledo — Tama Co., to G. H. Lowe, Cluster, improving roads, 87,900 cu.yd. earth excav. at $0.195 and $0.218 per cu.yd. respectively, 67 cu.yd. loose and solid rock $0.30, 60 cu.yd. loose rock $1.50, 31 cu.yd. solid rock $2, 55,000 sta.yd. overhaul $0.02, 600 ft. culvert labor $0.15 and $0.20, clearing and grubbing $2,800.

Minn., Alexandria—J. D. Larson, aud. Douglas Co., grading 221,948 cu.yd. County Job 2702, to Lobnitz Bros., Willmar, $54,095. Est. $40,000. Noted Sept. 6.

Kan., Belleville — Republic Co., grading 6.416 mi. Federal Aid Project 313-B, to D. Scherrer, 329 North 18th St., Kansas City, $26,846. Noted Feb. 9.

Kan., Cottonwood Falls—Chase Co., grading, culverts 6.012 mi. Federal Aid Project 357-E, 30 ft., to E. W. Kolterman, 404 Securities Bldg., Omaha, Neb., $53,680. Noted July 19.

Kan., Girard—Crawford Co., chats surfacing 2.98 mi. Project 23, Sect. B, to Independent Constr. Co., Pittsburg, $16,018; 7 mi. Project 551, Sect. B, to C. Simion, Pittsburg, $12,900.

Kan., Hays—Ellis Co., graveling 13,356 cu.yd. U. S. Road 48-S, Project 536, to Koehler Constr. Co., Sterling, Neb., $35,794. Noted Aug. 23.

Kan., Hoxie — Sheridan Co., grading, bridging 2.975 mi. Federal Aid Project 318-B, Hoxie-Hill City Rd., to Mead & Hardman, Alton, $45,053. Noted Sept. 6.

Kan., Norton — Norton Co., grading, bridging 5.297 mi. Federal Aid Project 345-B and 0.303 mi. Rd. 36, to Young & Hall, Maywood, Neb., $77,924. Noted Aug. 23.

Kan., Smith Center—Smith Co., 30 ft. grading 5.061 mi. Federal Aid Project 364, Sects. C and D, to A. L. Cook, Ottawa, $18,557; bridges on same road, to Kelly & Johnson, Talmo, $16,798. Noted Sept. 13.

Nebraska—Dpt. P. Wks., Lincoln, grading Project 5, Madison Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, $43,951. Noted July 26.

Neb., Fremont—Grading, curbing, 6 in. rein.-con. paving 9,500 sq.yd. Dist. 87, to Roberts Constr. Co., 404-5 1st Natl. Bank Bldg., Lincoln, at $1.72 per sq.yd.

South Dakota—State Hy. Comn., Pierre, to Dowd Bros. & Noonan-Hyde, Watertown, grading 20.26 mi. Sioux Falls-Dell Rapids Rd. $60,050—to C. Flaugher, Canistota, resurfacing 7.994 mi. McCook Co. $2,455—to Van & Van, Hull, Iowa., 11.518 mi. Miner Co. $6,539; graveling 10.05 mi. Hyde Co. $15,326—to Summit Constr. Co., Summit, 10.67 mi. road south from Belvidere $8,357; 21.25 mi. Kingbury Co. $25,278; 8.918 mi. Jackson Co. $4,945; 29.98 mi. Lincoln Co. $28,705—to J. L. Manley, Milbank, 11.93 mi. Day Co. $19,561. Grand total $171,216.

Montana—State Hy. Comn. Helena, grading, crushed graveling 13,790 cu.yd. Billings-Laurel Rd., Federal Aid Project 228-B, Yellowstone Co., to J. M. Carter, Billings, $35,360. Est. $46,860.

Mo., Brookfield — Grading, curbing, concrete paving 10,201 cu.yd., to H. Tidd, 104 West 21st St., Hutchinson, Kan. Est. $70,000. Noted Aug. 30.

Mo., Clayton—St. Louis Co., grading, concrete slab paving 28,000 sq.yd. Clayton Rd., to C. Israel, 2424 Oakland Ave., $68,948. Est. $80,080. Noted Sept. 20.

Mo., St. Louis—See "Waterworks."

Mo., Sikeston—P. H. Stevenson, city clk., grading, curbing, concrete paving 9,408 sq.yd. South Kingshighway, to Tidd & Cole, Hutchinson, Kan., $25,745. Est. $30,000. Noted Sept. 13.

Ark., Brinkley—Grading, concrete paving 80,908 sq.yd. Street Impvt. Dist. 1, to Forcum James Constr. Co., Dyersburg, Tenn., $164,520. Est. $175,000. Noted Sept. 13.

Tex., Barstow — Ward Co., hard surfacing 7½ mi. hy. from Pyote to Winkler Co. line, to W. H. Hudman, Alpine, $110,000.

Tex., Crystal City—Asphalt paving 40,000 sq.yd., to Lone Star Constr. Co., Milam Bldg., San Antonio, $78,000. Noted June 21.

Tex., Lubbock—Mayor and City Comn., c/o W. H. Rogers, secy., asphaltic concrete paving 30,000 yd., to Panhandle Constr. Co., Lubbock, $85,000. Noted Sept. 6.

Tex., Mission — Hidalgo Co. Rd. Impvt. Dist. 5, c/o A. W. Cameron, judge, Edinburg, grading, concrete paving 47 mi. roads, to 18 ft., to W. L. Pearson & Co., 806 Nixon Bldg., Corpus Christi. Est. $1,500,000. Noted Aug. 23.

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Streets and Roads (Continued)

Tex., Paducah—J. W. Carroll, mayor, c/o City Secretary, concrete paving 74,000 yd., to Howard & Farmer, Lubbock, $155,000.

Tex., Raymondville — Willacy Co., grading, concrete paving 20 mi. roads, 16 and 18 ft., to F. P. McElwrath, Harlingen, $388,313—dirt contract, B. Evans, San Benito, $16,570. Est. $350,000.

Okla., Duncan — Grading, concrete paving 7,500 sq.yd. 14th and Cherry Sts., to Frederick Constr. Co., Frederick, $23,296, est. $25,000—7,100 sq.yd. Beech and Chestnut Sts., to Hansen & Pearce, Perrine Bldg., Oklahoma City, $25,918, est. $26,410. Noted Aug. 2.

Okla., Oklahoma City — Oklahoma Co. grading 10 mi. roads, to Green-Boots Constr. Co., 519½ West Main St., $78,456; 8 mi. roads, to M. A. Swatek Co., 519½ West Main St., $106,855. Noted Sept. 27.

Colorado—State Hy. Dpt., Denver, grading, graveling 2.885 mi. Hy. 6, Federal Aid Project 258-G, Montrose Co., and 4.024 mi. Hy. 10, Federal Aid Project 262-1, Costilla Co., to Mountain States Constr. Co., Pueblo, $68,641 and $37,923 respectively.

Colorado—State Hy. Dpt., Denver, gravel surfacing 2.43 mi. Fremont Co., to J. Finger & Son, Denver, $54,843. Noted Aug. 23.

Colo., Colorado Springs — Paving Cache La Poudre Dist., to New Mexico Constr. Co., 4015 Galapago St., Denver, $49,022.

Idaho—State Hy. Comn., Boise, crushed rock surfacing 7.949 mi. Project 40-A, Washington Co., to Joslin & McAllister, Spokane, Wash., $33,149.

Wash., Seattle—Bd. P. Wks., concrete paving 14,650 sq.yd. West 80th St., to Fiorito Bros., 3950 6th St. N.W. $33,446; 2,560 sq.yd. Melrose Pl., to C. L. Creelman, 1079-25th St. N., $27,219.

California — State Hy. Comn., Sacramento, grading, 20 ft. asphaltic concrete paving 7.3 mi. Madera Co., 20 ft., to Hanrahan Co., Standard Oil Bldg., San Francisco, $142,867.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 0.7 mi. Kings Co., to California Constr. Co., Standard Oil Bldg., San Francisco, $25,536. Noted Sept. 13.

Calif., Los Angeles — Los Angeles Co., grading, curbing, walks, guttering, guttering, 4 in. disintegrated rock with oil and rock surfacing 114,549 sq.ft. Impvt. 769-Burlington Ave., to C. A. Ladeveze, 115 East 92nd St., $25,161.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, grading, 195,638 ft. concrete paving and 195,708 sq.ft. 5 in. disintegrated rock paving Santa Monica Blvd., to Griffith Co., Railway Bldg., $89,887.

Calif., San Diego—Common Council, grading, curbing, 6 in. concrete paving 79,303 sq.ft. Union, State and other streets, to Watson & Sutton, 3740 Noell St., $31,939. Noted Sept. 6.

Ont., London—Concrete paving High and Huron Sts., day labor, under supervision W. P. Near, engr., City Hall. $40,000. P. Utilities Com., E. V. Buchanan, genl. mgr., plans electric wires underground, $10,000.

Ont., Toronto—North York Twp., concrete paving ½ mi. Old Yonge St., to Orr & Clark, 111 Alexandra Blvd. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Cedar Rapids, La., Nov. 6, $640,000.

Dam and Reservoir—Brown County, Tex., Water Impvt. Dist. 1, Oct. 18, $2,000,000.

Sewerage System—Weston, Ont., January, $100,000.

Paving—Jacksonville, Tex., Oct. 23, $60,000.

Paving—Reagan County, Tex., $306,000.

High School — Topeka, Kan., Nov. 6, $1,000,000.

Bonds Voted

Waterworks—Denison, Ia., $20,000.

Waterworks—Benjamin, Tex., $40,000.

Waterworks—Hallettsville, Tex., $35,000.

Waterworks and Sewerage Systems—Lubbock, Tex., $125,000.

Paving—Hallettsville, Tex., $50,000.

Paving—Lubbock, Tex., $225,000.

Paving—Odessa, Tex., $55,000.

Roads—Marshall County, Miss., $100,000.

Roads—McNairy County, Tenn., $125,000.

Roads—Caldwell County, Tex., $150,000.

Bonds Defeated

Waterworks, Sewers and Paving — Longview, Tex., $163,000.

High School—Virginia, Minn., $500,000.

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Buildings—Industrial

Proposed Work

Me., South Portland (br. Portland) — SERVICE and REPAIR GARAGE—Hunnewell Estate, c/o Edwards Sales Co., archts., 443 Congress St., Portland, 1 story, 90 x 120 ft., brick, steel, plain found. $45,000.

Conn., Stamford — GARAGE — Southern New England Telephone Co., 157 Church St., revised plans by R. W. Foote, 185 Church St., 1 story, 87 x 162 ft., brick, steel, concrete, Jefferson St. $60,000. Noted Sept. 20.

N. Y., Buffalo — STATION — See "Unclassified."

N. Y., New York — AUTO REPAIR, PAINT SHOP and GARAGE — Interboro News Co., S. P. Booth, pres., 244 West 42nd St., plans by R. G. Cory, 30 Church St., 6 story, auto repair, paint shop, garage, 525 West 52nd St. $200,000.

N. Y., New York—SERVICE GARAGE—Big Four Realty Corp., N. Michel, pres., 311 West 95th St., plans by DeYoung & Moscowitz, 11 East 44th St., altering and constructing 2 story addition to 2 story, 100 x 125 ft., brick, 252 West 87th St. $100,000.

N. J., Newark—FACTORY—Shaparo & Sons, 416 Morris Ave., sketches by F. P. Freedman, 395 Springfield Ave., 2 story, basement, 50 x 100 ft., brick, steel addition, plain found. $40,000.

N. J., Piscataway town — METER and COMPRESSOR HOUSE — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, soon lets general contract 1 story, basement, 50 x 100 ft., brick, steel, plain found. $40,000. Private plans.

La., Baton Rouge — CREAMERY — Louisiana State University plans by Wogan & Bernard, Canal Bank Bldg., New Orleans, 2 story, brick, rein.-con. found. $40,000.

Tenn., Elizabethton — YARN MILL — Amer. Bemberg Corp., 180 Madison Ave., New York, A. Mothwurff, pres., (3rd unit) yarn mill at Bemberg, near here. $3,500,000.

O., Cleveland—COLD STORAGE and KITCHEN—State Building Comn., J. E. Harper, dir. P. Welfare, Columbus, plans by H. B. Briggs, state archt., Hartman, Hotel Bldg., 2 story, 95 x 150 ft., rein.-con., brick, Turney Rd. $150,000.

O., Kent—WAREHOUSE—P. H. Davey soon takes bids 2 story, basement, brick, stone, North River St., for Davey Tree Expert Co. $50,000.

O., Salem — FACTORY — C. C. Gibson, pres. Mullins Mfg. Co., soon takes bids factory addition. $50,000-$75,000. Noted Feb. 23.

Mich., Detroit—PUBLISHING PLANT—Times Publishing Co., 313 Bagley Ave., plans by A. Kahn, 1000 Marquette Bldg., 6 story, basement, 100 x 225 ft., rein.-con., brick, plain found., West Park Pl. and Bagley St. $1,000,000.

Ill., Chicago—FACTORY—General Laundry Machine Co., 1223 South Talman St., plans by F. E. Davidson, 53 West Jackson Blvd., factory addition, or new site. $100,000.

Iowa—OIL REFINERY—See "Unclassified" under Oklahoma and Iowa.

Ia., Des Moines—FACTORY—J. I. Case Threshing Machine Co., c/o J. C. Work, 102 8th St., sketches by C. V. Johnson, 502 Commonwelath Bldg., 4 story, basement, 106 x 130 ft. addition, 102 8th St. $80,000.

Mo., Kirksville—POWER PLANT—City plans by Black & Veatch, archts. and engrs., Mutual Bldg., Kansas City, power plant.

Texas — PUMPING STATION — Humble Pipe Line Co., Frost Bldg., San Antonio, and Humble Oil Co. Bldg., Houston, pumping station for 8 in. oil pipe line between Satsuma field and tank storage farm in Austin Co. $75,000. Private plans.

Tex., Beaumont — SHOP IMPROVEMENTS — Kansas City Southern Ry. Co., A. N. Reece, Kansas City, Mo., ch. engr., improving shops, incl. roundhouses, repair shops, office building, some new shop machinery. $700,000. Private plans.

Tex., Goose Creek — BRICK PLANT — Bridgeport Brick Co., Bridgeport, acquired properties Texas Brick & Tile Co., incl. plant site 41 acres and plans improvements to same, incl. expansion kilns. $40,000. Private plans.

Tex., San Antonio—FACTORY—M. A. Childers, et al., City Natl. Bank Bldg., vegetable crate and basket factory. $150,000.

Okla., Enid—SHOP—General Tool Co., 402 South Independence St., sketches 1 story, 75 x 140 ft., brick, steel, plain found., Independence St. $50,000. Private plans.

Okla., Okeene — FLOUR MILL — Oklahoma Mill & Elevator Co. sketches [illegible] addition. $40,000. Private plans.

Okla., Oklahoma City — LAUNDRY and DRY CLEANING PLANT — L. M. Lynch, 1201 West 18th St., sketches laundry and dry cleaning plant, 420 West 4th St. [illegible],000. Private plans.

Wash., Seattle—ROUNDHOUSE—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., 160 x 450 ft., concrete roundhouse, 3500 20th Ave. W. $200,000.

Calif., Los Angeles — WAREHOUSE — Pipe & Supply Co., 949 Date St., plans by A. A. Weltzman, Hibernian Bldg., 1 story, 53 x 240 ft., brick warehouse, 200 ft. crane runway.

Calif., Oakland — FACTORY — Sunset-McKee Sales Book Co., c/o Ellison & Russell, engrs., Pacific Bldg., San Francisco, 1 story, 160 x 200 ft., steel, brick, Livingston St. near Cotton St. $60,000.

Ont., Princeton—MILK CONDENSER—City Dairy Co., W. J. Northgrave, mgr., Spadina Crescent, Toronto, 2 story, 50 x 155 ft., brick, steel. $100,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Bids Desired

Vt., Burlington—BAKERY—Fraser Baking Co., 50 Cherry St., taking bids 1 story, 95 x 145 ft., brick, steel bakery. $40,000. McCormick Co., 41 Park Row, New York, archts. Noted Sept. 13.

Mass., Haverhill — SERVICE and REPAIR — See "Contracts Awarded."

Mass., Hudson—POWER HOUSE—See "Contracts Awarded."

Mass., Roslindale (sta. Boston)—SERVICE, SALES and REPAIR GARAGE—See "Contracts Awarded."

R. I., Providence—REPAIR SHOP and SHOW ROOM—Petterutti's Motor Sales Co., 1051 Chalkstone Ave., taking bids 1 story, 60 x 100 ft., steel, terra cotta, Chalkstone Ave. $40,000. F. Chiaverini, 32 Bway., archt.

N. J., Avenel — FACTORY — See "Contracts Awarded."

N. J., Bloomfield — ELECTRICAL SUBSTATION — See "Contracts Awarded."

N. J., Jersey City—BAKERY—W. Neuman, archt., 40 Journal Sq., taking bids general contract 2 story, basement, brick, steel addition, plain found., Sherman Ave., for Vietmeyer Bros., 175 Sherman Ave. $50,000. Noted Sept. 20.

N. J., Perth Amboy — FACTORY — D. Goldsmith, 128 Kearny Ave., taking new bids altering and constructing 2 story, 60 x 75 ft., brick, steel addition, plain found., East Ave. $40,000. G. M. Ricci, 224 Smith St., archts. Noted Sept. 20.

N. J., Teaneck (br. Hackensack)—LAUNDRY—C. V. Bogert, archt., 210 Main St., taking bids general contract 1 story, basement, brick, steel addition, plain found., Teaneck Rd., for Teaneck Laundry Co., Teaneck Rd. $40,000.

Md., Highlandtown (Ind. sta. Baltimore) —FACTORY—Oct. 12, by L. W. White, archt., Hearst Tower Bldg., 1 and 2 story, 150 x 600 ft., rein.-con., brick, steel, for Crown Cork & Seal Co. Noted Sept. 6.

Mich., Detroit—WAREHOUSE—Weston & Ellington, engrs. and archts., 1507 Stroh Bldg., taking bids and open same about Oct. 15, 1 story, brick, steel, plain found., St. Jean Ave., for Crane Co., 836 Michigan Ave., Chicago, Ill. $150,000. Noted Sept. 6.

Wis., Milwaukee — DISTRIBUTING PLANT—M. Tullgren & Sons Co., archts., 9 Waverly Pl., taking bids 3 story, basement, 105 x 152 ft., rein.-con., brick, steel, plain found., 8th Ave., for Wisconsin Creameries, Milwaukee. $100,000.

Tex., Waco—CONCRETE and CEMENT PLANTS—See "Contracts Awarded."

Contracts Awarded

Mass., Braintree (Ind. br. Boston)—FACTORY—Braintree Shoe Co., 183 Essex St., Boston, 4 story addition, plain found., Union St., to G. Howard & Sons Co., 142 Main St., Brockton, Est. $40,000.

Mass., Chelsea (br. Boston)—FACTORY—W. J. Murdock, 24 Franklin St., 2 story, 50 x 100 ft., brick, 227-243 Carter St., to A. L. Ruggles, 153 Garland St., Everett.

Mass., Haverhill — SERVICE and REPAIR GARAGE, SALES — Smith Motor Car Co., A. J. Smith, 88 South Main St., 1 story 100 x 135 ft., rein.-con., brick, plain found., 74-84 South Main St., separate contracts. $45,000. J. E. Allen, 283 Essex St., Lawrence, archt.

Mass., Hudson—POWER HOUSE—Town Dpt. Light & Power, L. D. Wood, mgr. altering and constructing 1 story addition Cherry St., incl. pumps, Diesel machines etc., separate contracts. Private plans.

Mass., Newton (Ind. br. Boston)—FACTORY—Davidson Fan Co., 15 Brook St., 2 story, 50 x 100 ft., rein.-con., brick, plain found., California St., to John MacDonald Constr. Co., 250 Stuart St., Boston. Est. $40,000 or more.

Buildings—Industrial (Continued)

Mass., Quincy Point (mail Boston) — SERVICE and REPAIR GARAGE — J. Agnes, 83 Stewart St., Quincy, 1 story, irregular sized steel, brick, plain found., to J. Bucci, 15 Greenwood St., Wollaston. Est. $40,000. Noted Oct. 4.

Mass., Roslindale (sta. Boston)—SERVICE, SALES and REPAIR GARAGE—M. Mogavere, 20 Belgrade Ave., 1 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., separate contracts. $40,000. Krokyn & Browne, 220 Devonshire St., Boston, archts.

Mass., Roxbury (sta. Boston)—CLEANSING PLANT—House of Liederman, Inc., 169 Norfolk Ave., 2 story, rein.-con., brick addition, plain found., to N. Hurwitz, 294 Washington St., Boston. Est. $50,000. Noted Sept. 20.

Mass., Watertown (Ind. br. Boston)—SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., Boston, 1 story, rein.-con. electric sub-station, plain found., Spring St., to Eng. Constr. Co., 6 Beacon St., Boston.

R. I., Slatersville—PLANT—Slatersville Finishing Co., 1 story filter plant, to H. Wales-Lines Co., 134 State St., Meriden, Conn. Noted Oct. 4.

Conn., Bristol—SHOP—New Departure Mfg. Co., N. J. Voorhees, 1 story, 125 x 200 ft., brick, steel, plain found., North Main St., to Aberthaw Co., 80 Federal St., Boston, Mass. Est. exceeds $40,000. Noted Sept. 20.

Conn., New Haven—PRINTING PLANT—Walker-Radcliffe Co., 19-21 Dickerman St., 1 story, 85 x 95 ft., brick addition, plain found., to W. H. Crute, 91 Howe St. Est. $40,000. Noted July 19.

Conn., Shelton—SILK VELVET MILL—Sidney Blumenthal & Co., 37 Canal St., 2 story, 63 x 156 ft., rein.-con., to Turner Constr. Co., 178 Tremont St., Boston, Mass. Est. $75,000.

Conn., Waterbury—PLANT—French Mfg. Co., 128 Robbins St., 1 story, 60 x 200 ft., brick, Robbins St., to Torrington Building Co., 182 Church St., Torrington. Est. $50,000.

N. Y., Brooklyn—FACTORY—American Can Co., 120 Bway., New York, 4 story, 90 x 200 ft., brick, rein.-con., Wythe Ave. and North 3rd St., to Turner Constr. Co., 420 Lexington Ave., New York. Est. $227,000.

N. Y., Brooklyn—SERVICE GARAGE—Gillen Bros., 19 Clinton Ave., 1 story, service garage, Clinton and Flushing Aves., to Roth, Bard & Levine, Inc., 2 Lafayette St., New York. Est. $45,000.

N. Y., New York — SERVICE — S. W. Wynne, pres. Bd. Health, Dpt. Health, 505 Pearl St., general contract altering service building Willard Parker Hospital, to Lustig & Weil, 145 East 32nd St., $237,400; plumbing, to Nally Plumbing Contg. Co., 177 West 97th St., $24,083. Noted Sept. 13.

N. J., Avenel — FACTORY — T. Lanza, Chestnut St., Cranford, 1 story, 75 x 140 ft., brick, concrete, plain found., separate contracts. $40,000. C. C. Bell, 17 Union Ave. N., Cranford, archt.

N. J., Bloomfield — ELECTRICAL SUB-STATION — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, brick, steel addition, plain found., Bloomfield Ave. and Erie R.R., separate contracts. $40,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archt.

N. J., Orange—FACTORY—Mead Suydam Co., 400 Sheridan St., general contract 1 story, basement, brick, steel, plain found., Sheridan St. to P. Parkinson, 306 Montclair Ave. Newark. Est. $40,000. Noted Sept. 13.

N. J., Plainfield — FACTORY — A. M. Korff, archt., 203 Park Ave., general contract 1 story, 53 x 100 ft., brick, steel, rein.-con. plain found., to A. Valentine. 201 East 5th St., for Rivoli Silk Hosiery Co., 768 North Ave. Est. $40,000. Noted Aug. 2. Plumbing and heating, to Van Zandt & Doeringer, North Plainfield.

Pa., Weissport—HOSIERY MILL—Lockwood Greene Engineers, Inc., engrs., 1 Pershing Sq., New York, general contract hosiery mill, to Hughes-Foulkrod Co., Commonwealth Bldg., Phila., for W. F. Hofford, Inc. $75,000.

Md., Baltimore—LABORATORY—Locke Insulator Corp., Charles and Cromwell Sts., 2 story, 73 x 115 ft., brick, steel. Owner builds. $40,000.

O., Cleveland—MACHINE SHOP—Lyons Machine Co., J. H. Lyons, pres., 5601 Tillman Ave., 1 story, basement, 50 x 50 ft., brick, steel addition, 5601 Tillman Ave., to D. Gilchrist, Berea. Est. $40,000.

O., Youngstown—GARAGE—Pfau Motors, Inc., 1 story, part basement, 60 x 180 ft., concrete, brick, Wick Ave., to Heller Bros. Co., Thurman and Furnace Sts. $40,000.

Ind., Indianapolis — FACTORY — Link-Belt Co., Holmes and West Michigan Sts., general contract 3 story, rein.-con., brick, to Latham & Walters, 204 Empire Life Bldg. Est. $150,000.

Ind., Indianapolis—FACTORY—Wheeler-Schebler Co., 1302 Barth Ave., general contract brick, steel, to Schlegel & Roehm, 602 Lexington Ave.; plumbing and heating, to Hayes Bros., 236 West Vermont St. Est. $50,000. Noted Sept. 27.

Mich., Detroit—FACTORY—Briggs Mfg. Co., 11631 Mack Ave., 1 story, 140 x 370 ft. rein.-con., brick top addition, Warren Ave., to Otto Misch Co., 159 East Columbus St. Est. $80,000.

Mich., Detroit — FACTORY — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 2 story, basement, 80 x 150 ft., rein.-con., brick, to W. E. Wood Co., 1805 Ford Bldg., for J. M. Smith Co., 5914 Federal Ave. Noted Sept. 27.

Mich., Grand Rapids — FACTORY and WAREHOUSE — Firestone Tire & Rubber Co., South Main St., Akron, O., 4 story factory branch and warehouse, to Owen Ames-Kimball, Pearl St. Est. $100,000. Noted June 21.

Mich., Kalamazoo—FACTORY—Kalamazoo Loose Leaf Binder & Equipment Co., West Kalamazoo Ave., 1 story, 100 x 300 ft., brick, steel, plain found., Cobb Ave., to O. F. Miller Constr. Co., 224 Pratt Bldg. Est. $75,000.

Mo., St. Louis—LIGHT MANUFACTURING—Den Char Realty Co., 214 Chestnut St., 1 story, basement, 127 x 151 ft., brick, concrete, 121 Clark St., to J. W. Morrison, 722 Chestnut St. Est. $50,000.

Tex., Dilley — PIPE PLANT — Tellyer Concrete Pipe Co., plant to manufacture bithulined concrete pipe, materials, irrigation ditch lining pipe. $40,000 incl. equipment and machinery. Owner builds. Private plans.

Tex., Houston—SERVICE and SHOP—Houston Lighting & Power Co., Electric Bldg., general contract 1 and 3 story, basement, 108 x 300 ft., brick, rein.-con., steel, Canal St., to D. Hall, 520 Cotton Exch. Bldg., $261,000.

Tex., San Antonio—CEMENT PLANT—Republic Portland Cement Co., c/o W. M. Thornton, mgr., c/o Smith Bros. Properties, Inc., 121 Villita St., cement plant, incl. factory building, machine buildings, sanitary sewerage system, tenant houses, disposal plant, at Longhorn, 10 mi. north of here. $200,000. Owner builds, F. E. Sayers in charge. Terrell Bartlett Engineer, Calcasieu Bldg., engrs. Noted Aug. 30.

Tex., Waco—CONCRETE and CEMENT PLANTS—Atlas Portland Cement Co., 25 Bway., New York, 1,000,000 bbl. annual capacity plant on 500 acre site, separate contracts and day labor under supervision of Company's Engineers.

Ont., Galt—FACTORY—Dominion Tack & Nail Co., general contract 1 story, concrete, brick addition, plain found., Dundas St., to G. H. Thomas & Sons Ltd., Dickson St. Est. $40,000.

Buildings—Commercial

Proposed Work

Me., Lewiston—THEATRE—R. Wiseman, 23 Chestnut St., sketches by E. P. Desjardines, 139 Park St., 1 and 2 story, basement, brick, steel, plain found. $150,000.

N. H., Wilton — BANK — Wilton Natl. Bank, c/o T. M. James Co., archts., 3 Park St., Boston, Mass., 1 and 2 story, basement, brick, rein.-con., steel, stone, plain found. $150,000.

Mass., Boston — CLUBHOUSE and HOTEL — Durant, Inc., 336 Huntington Ave., soon takes bids 14 story, basement, rein.-con., brick, steel, plain found., Huntington Ave. To exceed $150,000. Coolidge & Carlson, 89 State St., archts. Noted Nov. 17.

Mass., Boston — FIRE STATION — City, E. C. Hultman, fire comr., 60 Bristol St., brick, plain found., Bowdoin Sq. $350,000. Engineer and architect not selected.

Mass., Cambridge (br. Boston)—APARTMENT—Allen & Shapiro, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 4 story, basement, brick, stone, plain found., Linnaean St. and Washington Ave. To exceed $150,000.

Mass., Lynn—APARTMENT—H. J. Kennerson, 42 West Baltimore St., 3 story, basement, irregular sized, brick, plain found., Park and Boston Sts. $150,000. Private plans.

Mass., New Bedford — STORE and OFFICE—E. A. and M. C. Bardol, 191 Tappan St., Brookline, 3 story, basement, 75 x 100 ft., brick, steel, plain found., Purchase St. $150,000. Private plans.

Mass., Norfolk — PRISON COLONY — Commonwealth of Massachusetts, Dpt. Correction, State House, Boston, plans by McLaughlin & Burr, 88 Tremont St., Boston, prison colony and wall. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted Aug. 2.

Mass., Pittsfield — HOTEL — Wendell Hotel Co., South St., plans by A. H. Lavalle, 496 Bridge St., Springfield, and takes bids in December, 7 story, 44 x 153 ft., brick, steel addition. $200,000. Noted July 26.

Mass., Worcester — CLUB — Worcester Boys Club, D. W. Armstrong, dir., plans by Frost, Chamberlain & Edwards, 390 Main St., brick, steel, Lincoln Sq. $300,000. Noted Apr. 12.

R. I., Providence — HOSPITAL — City, D. L. Richardson, supt., plans by T. J. H. Pierce, City Hall, 3 story, basement, brick, plain found., Easton St. $200,000. Noted Dec. 15.

Conn., Waterbury—STORE and OFFICE—G. L. D Realty Co., c/o W. E. Hunt, archt., 182 Church St., Torrington, sketches 3 story, basement, brick, steel, plain found., North Main St. To exceed $150,000.

N. Y., Flushing — APARTMENT — A. Nicoletti, 26 Court St., Brooklyn, plans by B. Braunstein, 163-18 Jamaica Ave., Jamaica Ave., Jamaica, 6 story, 103 x 190 ft., brick, timber, Kissena Blvd. and Ash Ave. $350,000.

N. Y., Long Island City—APARTMENT—Two Hundred Twenty-Five Adelphi Street Corp., 27 Cleveland Court, 6 story, 87 x 100 ft., brick, timber, 93rd St. and Northern Blvd. $175,000. Private plans.

N. Y., Mount Vernon—APARTMENTS—Bailey Estate (K. P. Corp.), c/o McKim, Mead & White, archts., 101 Park Ave., New York, 2 apartments, Lincoln Ave. $600,000.

N. Y., Mount Vernon—APARTMENT—J. T. Brook, Brook Bldg., Pelham, plans by L. Levine, 11 West Prospect St., brick, timber, 3rd St. $450,000.

N. Y., New York — APARTMENT — Ade Building Corp., J. Elaner, pres., 386 Bway., plans by J. E. R. Carpenter, 598 Madison Ave., 13 story, 25 x 92 ft., brick, steel, 1 East 88th St. $300,000

N. Y., New York — APARTMENT — Avenn Realty Corp., A. S. Bing, pres., 18 East 48th St., plans by E. Roth, 1440 Bway., 15 story, 76 x 88 ft., brick, steel, 130 East End Ave. $450,000.

N. Y., New York—APARTMENT—New York Town House, J. D. Lee, 19 West 44th St., plans by Turner & Bowden, 19 West 44th St., 31 story, brick, steel, 106 East 38th St. $1,000,000.

N. Y., New York—APARTMENT—Two Hundred Thirty-Seven East 20th Street Corp., J. L. B. Mayer, pres., 175 Lexington Ave., plans by C. B. Meyers, 31 Union Sq., 9 story, 77 x 121 ft., brick, steel, 237 East 20th St. $450,000.

N. Y., New York—BANK and OFFICE—Amla Realty Corp., A. E. Lefcourt, pres., plans by Bark & Djorup, 1351 Bway., 40 story, 40 x 185 ft., brick, steel, Madison Ave. and 41st St. $5,000,000.

N. Y., New York — HOSPITAL — New York Ophthalmic Hospital, 23rd St. and 3rd Ave., plans by C. H. Lench, 101 Park Ave., 14 story, 53 x 98 ft., brick, steel, 36th St. between 1st and 2nd Aves. $6,000,000.

N. Y., New Rochelle—APARTMENT—H. Schiff & Sons, 2520 Bway., New York, plans by H. Tanabaum, c/o owner, apartment, Union and Division Sts. $350,000.

N. Y., Yonkers—APARTMENTS—Graystone Plaza Corp., 1080 Warburton Ave., plans by Snyder & Snyder, 2 Palisades Ave., two brick, timber, 1080 Warburton Ave. $700,000.

N. J., Bradley Beach—APARTMENT—Wolfson Constr. Co., 85 2nd St., Long Branch, plans by S. Cohen, 134 Branford Pl., Newark, 3 story, basement, 86 x 150 ft., brick, steel, plain found., 2nd Ave. $150,000. Noted Oct. 4.

N. J., Fort Lee—APARTMENT—Owner, c/o Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, sketches 5 story, basement, 55 x 110 ft., brick, plain found. $150,000.

N. J., Jersey City—APARTMENT—J. A. Cancro, 15 Terrace Ave., plans 5 story, basement, brick, steel, plain found., Hudson Blvd. and Leonard St. $250,000. Private plans.

N. J., Jersey City — LABORATORY — Port of New York Authority, 75 West St., New York, sketches 4 story, basement, 50 x 100 ft., rein.-con., plain found., Fox Pl. and West Side Ave. $250,000. Private plans.

N. J., Lake Hopatcong—SANITARIUM—Deborah Sanitarium (Browns Mills Tuberculosis Sanitarium), 24 Branford Pl., Newark, plans by F. Grad, 1023 Broad St., Newark, 4 story, basement, brick, steel, incl. Xray and heliotherapy departments, infirmary, nurses home, children's building and main hospital, plain found. $1,000,000.

N. J., Newark—ARMORY—Com. Institutions & Agencies, State Office Bldg., Trenton, revised plans by M. N. Shoemaker, 15 Central Ave., altering and constructing 4

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Buildings—Commercial (Continued)

story, basement, 100 x 232 ft., brick, steel addition to 102nd Cavalry Armory, plain found., Roselle Ave. $150,000. Former bids rejected. Noted Sept. 20.

N. J., Newark — HOME and HOTEL — Three Link Temples, Inc., c/o M. N. Shoemaker, archt., 15 Central Ave., 10 story, basement, brick, steel, plain found., Hill and Court Sts. $350,000.

N. J., New Brunswick — OFFICE and STCRE ROOMS—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, plans by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, basement, 90 x 158 ft., brick, steel, plain found., Railroad Ave. and Baldwin St. $150,000. Noted Oct. 4.

N. J., Orange — BUSINESS — Ramona Realty Co., c/o H. Baechlin, archt., 665 Broad St., Newark, rejected bids general contract 2 story, basement, 100 x 150 ft., brick, steel, plain found., 273-7 Main St. $150,000. Plans will probably be revised. Noted Aug. 30.

N. J., Passaic — APARTMENT — Penn Prospect Arms, Inc., c/o Preiskel & Skvarla, archts., 2 Lexington Ave., sketches 4 story, basement, brick, plain found., 32-4 Pennington Ave. $150,000.

N. J., Paterson—OFFICE—G. E. Tuers, 18 Church St., sketches by H. Hwuirt, 41 West 33rd St., New York, general contract 12 story, basement, brick, steel, plain found., Church and Huguenot Sts. $150,000. Loventhal Bros., 153 West 72nd St., New York, lessee.

N. J., Perth Amboy — ARMORY — State Armory Bd., D. Hill, Trenton, plans by Dpt. Institutions & Agencies, State Office Bldg., Trenton, 2 story, basement, brick, steel, plain found., Lewis Ave. $150,000. Noted Aug. 16.

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 147 Summit Ave., Cliffside, revised sketches by A. DePaola, 106 18th St., 4 story, basement, 84 x 125 ft., brick, steel, plain found., 152-60 16th St. $150,000. Noted Oct. 4.

N. J., West New York — APARTMENT and STORE — Eagle Development Co., 8 West 40th St., New York, plans by E. V. Warren, 31 Clinton St., Newark, 2 story, basement, 117 x 118 ft., brick, steel, plain found., Bergenline Ave. and 6th St. $150,000.

Pa., Phila.—CLUB HOUSE and OFFICE —Owner, c/o Simon & Simon, archts., Philadelphia Fidelity Bldg., 22 story, rein.-con., brick, steel, plain found., Broad and Walnut Sts. $5,000,000.

Fla., Stuart—COURT HOUSE—Comrs. Martin Co., J. R. Pomeroy, clk., court house. $150,000.

Tenn., Knoxville — Natl. Council Y. M. C. A., Architectural Bureau, 420 Lexington Ave., New York, plans by Barber & McMurray, Tennessee General Bldg., Y. M. C. A. building. $500,000.

O., Cincinnati — APARTMENT — P. Nathan & Son, 839 Enquirer Bldg., plans by J. J. Wilkens, 1107 Bates St., 3 story, basement, rein.-con., brick, plain found., Reading Rd. $200,000.

O., Mansfield—Y. M. C. A., W. C. Mansfield, genl. secy., sketches building. $350,000. Architectural Bureau, National Council Y. M. C. A., 420 Lexington Ave., New York, consult. archts.

O., Youngstown—BANK and OFFICE—Central Savings & Loan Co., T. B. Van Alstine, pres., West Federal St., plans by M. W. Scheibel, Realty Bldg., 6 or 8 story, 50 x 100 ft., concrete, brick, steel. $400,000. R. M. Johnson, 5716 Euclid Ave., Cleveland, consult. archt. Noted Feb. 16.

Mich., Detroit — HCSPITAL — Pingree General Hospital, c/o J. G. Kastler Co., archts., 523 Detroit Savings Bank Bldg., 4 story, basement, 60 x 148 ft., rein.-con., brick, steel, stone, plain found., West Chicago Blvd. $175,000.

Ill., Chicago—APARTMENT—Klaber & Grunsfeld, archts., 431 North Michigan Ave., soon lets contract 4 and 5 story apartment, Michigan Ave., Wabash, 46th and 47th Sts., for Michigan Boulevard Gardens, 333 North Michigan Ave. $2,500,000. H. Wright, 56 West 45th St., New York, assoc. archt.

Ill., Chicago—APARTMENT—P. F. Olsen, archt., 720 Cass St., soon lets contract 5 story, basement, rein.-con., brick, stone, on 120 x 125 ft. site, 69th St. and Clyde Ave., for C. Anderson, c/o architect. $400,000.

Ill., Chicago—APARTMENT and STORE —P. F. Reynolds, 38 South Dearborn St., plans by McNally & Quinn, 10 South La Salle St., 25 story, basement, 129 x 302 x 328 ft., rein.-con., brick, steel, stone, Clark St. and Lincoln Park West. $3,000,000.

Ill., Chicago—APARTMENT and STORE —A. Smith & Co., (general contractor), 134 North La Salle St., taking sub-bids 9 story, basement, 50 x 112 ft., rein.-con., brick, terra cotta, 4856 Sheridan Rd., for Modern Apartment Corp.

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Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., soon take bids on revised plans armory, incl. athletic hall, 10,000 seating capacity 225 x 350 ft. drill hall, 1 acre riding arena 6,500 seating capacity ¼ mi. track, entrance towers, on total area 4 1/3 acre site, Washington Park, 52nd St. and Cottage Grove Ave., for One Hundred Twenty-Fourth Field Artillery, 34th St. and Westworth Ave. $1,500,000. Former bids rejected. Noted July 19.

Wis., Kenosha—Y.M.C.A., R. V. Sowers, secy., sketches by C. H. Walcott, 431 North Michigan Ave., Chicago, Ill., Y.M.C.A., 59th Pl. and 8th Ave. $500,000. Noted June 14.

Ia., Dubuque—TEMPLE—A. F. and A. M. Lodge plans by R. T. Moore, 1111 Merchants Natl. Bank Bldg., Cedar Rapids, 2 story, basement, 114 x 128 ft., rein.-con., brick, steel, stone, plain found. $250,000.

Minn., Rochester — OFFICE and LIBRARY — H. B. Forsyth, 905 Franklin Ave. W, and F. S. Haines, 2533 Emerson Ave. S, Minneapolis, 5 story, basement, rein.-con., brick office and library. $500,000.

Kan., Emporia — THEATRE — Strand Theatre Corp., H. McClure, mgr., plans by Boller Bros., 114 West 10th St., Kansas City, Mo., 2 story, basement, rein.-con., brick, stone, terra cotta, Commercial St. near 8th St. $225,000.

Kan., Topeka — HOSPITAL — Security Benefit Home & Hospital, c/o J. M. Kirkpatrick, pres., bids after Nov. 1, two 3 story, attic, 40 x 110 ft. wings, also 30 x 30 ft., with 153 ft. tower and 3 story, 30 x 40 ft .additions, rein.-con., brick. $350,000. W. E. Glover, 514 Mulvane Bldg., archt. Noted Oct. 4.

Mo., St. Louis—APARTMENT—Koplar Co., c/o S. Koplar, 265 Union Blvd., sketches by L. O. Schopp, 114 North 7th St., 30 story, basement, rein.-con., brick, stone, terra cotta, on 200 x 216 ft. site, Kingshighway and Maryland St.

Mo., St. Louis — APARTMENT — Local Syndicate, c/o W. J. Abbott, 806 Chestnut St., soon takes bids 25 story, basement, 140 x 200 ft., rein.-con., brick, stone, steel, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000. J. L. Bowling & L. Shank, Arcade Bldg., archts. This corrects report in Sept. 27 issue.

Tex., Dallas—SALES and DISPLAY—Worsham Buick Co., Pacific Ave. and Olive St., plans by C. H. Griensbeck, Const. Indus. Bldg., 2 story, 140 x 200 ft., North Pearl St. between Bryan and San Jacinto Sts. $200,000.

Okla., Oklahoma City — HOTEL — J. E. Moore, c/o Capitol State Bank, sketches 4 story, basement, brick, plain found., B St. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—STORE—Haggard Furniture Co., 322 West California Ave., sketches 8 story, basement, 50 x 140 ft., rein.-con., brick, plain found., California Ave. $175,000.

Okla., Pawhuska — COURT HOUSE — Osage Co., plans by L. I. Shumway, Alexander Bldg., Tulsa, 3 story, basement, rein.-con., brick addition, plain found. $165,000. Noted Dec. 1.

Okla., Tulsa — APARTMENT — Hurley Park Investment Co., Tuloma Bldg., 11 story, basement, 140 x 140 ft. apartment, 7th and Boston Sts. $750,000. Engineer and architect not selected.

Okla., Tulsa—ATHLETIC CLUB—Tulsa Athletic Club, c/o J. A. Reynolds, 221 East 16th St., plans by Rush, Endicott & Rush, 404 Wright Bldg., 12 story, basement, roof garden, 75 x 140 ft., rein.-con., brick, incl. gymnasium, beauty parlor, billiard room, dining room, plain found. $1,000,000.

Wash., Seattle—DEPARTMENT STORE —United Pacific Corp., c/o Drumheller, Ehrlichman & White, 2nd and Cherry Sts., 10 story, 2 basement, fireproof department store known as Shopping Tower, Inc., 3rd and Cherry Sts. $600,000.

Ont., Brantford — HOSPITAL — General Hospital Bd., Terrace Hill, plans by Stevens & Lee, 62 Charles St. E., Toronto, 2 and 3 story, rein.-con., brick, steel hospital, incl. isolation and nurses' buildings, plain founds. $780,000.

Ont., Oshawa—CITY HALL, FIRE and POLICE BUILDING — City plans by Thompson & Johnson, 12½ Simcoe St. S., 2 and 3 story, basement, rein.-con., brick, steel, stone, plain found., Metcalfe and Bagot Sts. $375,000. Noted Aug. 23.

Ont., Toronto—APARTMENT—W. Pidgeon & Sons, Ltd., 8 Bway. Ave., 3 story, basement, rein.-con., brick, steel, stone, plain found., Sherwood Ave. $160,000. Private plans.

Ont., Windsor — CLUB HOUSE — Essex Golf & Country Club plans by Nichols, Sheppard & Masson, Equity Bldg., 2 story, basement, rein.-con., brick, plain found. $150,000.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (sta. Boston) — APARTMENT—See "Contracts Awarded."

Mass., Salem — POST OFFICE, STORE and OFFICE — O. W. Farley, 214 Beverway, Boston, taking bids 2 story, basement, 90 x 105 ft., brick, stone, plain found., 26 New Derby St. $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts. Noted Sept. 6.

Conn., New Haven—WARD—New Haven Hospital, 330 Cedar St., bids about Nov. 1, ward building. Long & Noska, 420 Lexington Ave., New York, engrs. H. C. Pelton, 415 Lexington Ave., New York, archt. Noted Aug. 9.

N. Y., Buffalo—RECEPTION—Oct. 31 (extended date), by Commissioner Mental Hygiene, Capitol, Albany, reception building at Buffalo State Hospital; adv. E. N.-R. Oct. 11. Noted Aug. 30.

N. Y., Stapleton—COURT—Oct. 17, by J. A. Lynch, pres. Boro Richmond, Boro Hall, Staten Island, courts building.

N. Y., Syracuse — HOSPITAL — Oct. 31, Commissioner Dpt. Mental Hygiene, Capitol, Albany, psychiatric Hospital, at Syracuse Psychiatric Institute and Hospital; adv. E. N.-R. Oct. 11. Noted Aug. 30.

N. Y., Yonkers — APARTMENT — See "Contracts Awarded."

N. J., Elizabeth — WAREHOUSE and STORAGE—G. F. Ball, archt., 145 Summitt Ave., Union City, bids about Nov. 15, general contract 5 story, basement, 240 x 260 ft., brick rein.-con., plain found., 651-71 South Front St. for Bayway Terminal Co., South Front St. $200,000.

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—CLUB HOUSE—P. O. Simone & Co., Inc., archts., 22 Journal Sq., bids about Oct. 15, general contract 3 story, basement, brick, steel, plain found., 24 Liberty Ave., for Polish Amer. Democratic Club, 22 Liberty Ave. $150,000. Noted July 26.

N. J., Paterson—F. W. Wentworth, archt., 140 Market St., bids about Oct. 15, general contract 3 story, basement, 112 x 140 ft., brick, steel, plain found., Ward and Prince Sts., for Y.M.C.A., 141 Ellison St. $750,000. Noted Feb. 16.

Pa., Phila. — SALES and SERVICE — Oct. 13, by R. Greenberg, Morris Bldg., sub-bids 2 story, basement, irregular shaped, rein.-con., brick, plain found., 22nd and Sedgley Sts. $200,000. P. S. Tyre, 114 South 15th St., archt.

Md., Baltimore — Oct. 18, by Palmer & Lamdin, archts., 613 North Charles St., 2 story, basement, 103 x 144 ft., brick Y. M. C. A. building, concrete found., Charles St., for Johns Hopkins University. $150,000.

Ala., Gadsden—HOTEL—D. O. Whildin, archt., 515 North Redmont Rd., Birmingham, bids about Oct. 17, 10 story, basement, 50 x 100 ft., rein.-con., brick, stone, 7th St., for A. P. Reich Hotel Co., Inc.

Mich., Detroit—MATERNITY HOME—Smith, Hinchman, & Grylls, archts., 800 Marquette Bldg., taking bids and open same about Oct. 12, 3 story, basement, 140 x 160 ft., concrete, brick, steel, plain found., Woodrow Wilson Ave., for Florence Crittenden Home, 583 Elizabeth St. $700,000. Noted July 19.

Mich., Pontiac — DETENTION HOME — Oakland Co., B. D. Daugherty, clk., Court House, taking bids and opens same about Oct. 15, 2 story, basement, rein.-con., brick, steel, plain found. $150,000. L. J. Heenan, 43½ Pike St., archt. Noted Sept. 20.

Ill., Chicago — APARTMENT—Friedman Constr. Co. (owner and contractor), 105 North Clark St., taking sub-bids 3 story, basement, 99 x 131 ft., Springfield Ave. and 16th St. $300,000. T. R. Bishop & Son, 35 South Dearborn St., archts. Noted Aug. 9.

Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., bids about Oct. 25, 21 story, basement, 76 x 125 ft., brick, 1640 East 50th St., for W. J. Friedman, pres. Sixteen-Forty East Fiftieth Street Building Corp., c/o architects. $1,500,000. Noted Aug. 2.

Ill., Chicago—APARTMENT—Lowenberg & Lowenberg, archts., 111 West Monroe St., taking bids 13 story, basement, 70 x 150 ft., rein.-con., brick, Dearborn and Goethe Sts., for H. L. Solomon, 134 North La Salle St. $500,000.

Ill., Chicago — APARTMENT — H. L. Marse, archt., 155 North Clark St., bids about Oct. 15, 3 story, English basement, 61 x 165 ft., brick, stone, 5806-08 West Lake St. $225,000.

Ill., Chicago—CLUB—Shattuck & Layer, archts., 134 North La Salle St., bids about Oct. 15, 4 story, basement, 125 x 133 ft., rein.-con., brick, incl. billiard rooms, swimming pool and lockers, North and Kildare Aves., for Northwest Lions Club Building Corp., 3850 West North Ave. $500,000. Noted May 3.

Ill., Chicago—THEATRE, STORE and APARTMENT—E. Steinborn, archt., 179

Buildings—Commercial (Continued)

West Washington St., bids about Oct. 12, 2 story, 125 x 200 ft., brick, plain found., 4713-31 Southport Ave., for M. J. Schmidt, 3722 Southport Ave. $300,000. Noted Sept. 20.

Wis., Milwaukee—HOSPITAL—Oct. 15, by E. Brielmaier & Sons Co., archts., 425 East Water St., hospital, nurses home, service building, chapel and convent building, Chambers and Burleigh St., for St. Joseph Hospital of Franciscan Sisters, 639 4th St. $2,000,000. Noted Jan. 26.

Wis., Milwaukee — STORE and APARTMENT HOTEL—Hercules Constr. Co. (general contractor), 208 3rd St., taking subbids 8 story, basement, 60 x 93 x 127 ft. store and apartment hotel, Jackson Ave. and East State St., for A. F. John, 120 East Wisconsin St. $300,000.

Wis., Rhinelander — HOTEL — R. W. Ermeling, archt., 58 East Washington St., Chicago, Ill., bids about Nov. 2, 3 story, 135 x 135 ft., concrete, for L. B. Broadbridge, 1001 East Jefferson St., Detroit, Mich. $200,000.

Ia., Dubuque — TEMPLE — A. F. and A. M. Lodge, c/o E. R. Young, chn., bids about Jan. 1, 2 story, rein.-con., brick, stone temple. $250,000. R. F. Moore, 1111 Merchants Natl. Bank Bldg., Cedar Rapids, archt. Noted Oct. 4.

Neb., Lincoln—STORE and OFFICE—Gold & Co., W. Gold, pres., 11th and O Sts., bids about Jan. 1, 5 story, basement, 50 x 142 ft., rein.-con., brick, 11th and O Sts. $250,000. Davis & Wilson, 525 South 13th St., archts. Noted May 3.

Neb., Omaha — BUS TERMINAL — Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., taking bids on revised plans 2 story, basement, 100 x 180 ft., rein.-con., brick, steel, 16th and Jackson Sts. $150,000. G. Fisher, 1437 City Natl. Bank Bldg., archt. Noted Sept. 13.

Contracts Awarded

N. H., East Jaffrey — STORE, OFFICE, EXCHANGE and POST OFFICE—Owner, c/o A. E. Rosenstein, archt., 220 Devonshire St., Boston, Mass., 2 story, basement, 85 x 150 ft., brick, stone, plain found., to Ludwig-Jandris Constr. Co., 52 Blanchard Pl., Gardner, Mass. Est. $150,000. Noted Sept. 27.

Mass., Boston — APARTMENT — L. Becker, 78 Moreland St., Roxbury, 3 story, basement, 100 x 150 ft., brick, stone, plain found., Maple and Cheney Sts., day labor. $160,000. S. E. Moffie, 51 Cornhill, archt.

Mass., Boston — BANK — New England Trust Co., J. R. Hooper, pres., 3 story, basement, 50 x 90 ft., brick, steel, granite, plain found., 99-101 Newbury St., to G. B. H. Macomber, 38 Chauncy St. Est. $150,000.

Mass., Brighton (sta. Boston)—APARTMENT—H. London, 294 Washington St., Boston, 6 story, basement, 115 x 125 ft., brick, stone, plain found., Commonwealth Ave. and Cummings Rd., separate contracts. $300,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Dorchester (sta. Boston)| — APARTMENT—J. Silevsky, c/o M. Louis, archt., 39 Court St., Boston, 3 story, basement, 75 x 110 ft., brick, 26-30 Bellevue St., separate contracts. $175,000.

Mass., Fall River — STORE, RESTAURANT and OFFICE — J. M. Darling, archt., North Main St., 3 story, basement, brick, plain found., to Greeny & Sherry, Davol St., for M. Thong. Est. $150,000. Noted Sept. 6.

Mass., Great Barrington—HOTEL—O. F. Hall, altering and reconstructing 4 story, basement, 50 x 125 ft. brick, rein.-con. hotel and wing, Main St., to D. J. Hickey, 21 Humphrey St. Est. $150,000.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—M. Winer, 65 Monroe Rd., 2 story, basement, 50 x 160 ft., brick, stone, plain found., to Clark & Smith, 13 Temple St. Est. $150,000. Noted Oct. 4.

Conn., Milford — HOME — Schermerhorn Home, c/o Thompson Holmes & Converse, archts., 101 Park Ave., New York, altering and constructing 3 story, brick addition, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Est. $150,000.

N. Y. Niagara Falls — STORE — S. S. Kresge, Kresge Bldg., Detroit, Mich., store, Buffalo Ave. near 1st St., to Wright & Cramer, Niagara Falls, $158,000.

N. Y., White Plains—HOTEL—Development Service Corp., 369 Lexington Ave., New York, Post Road Hotel, 7 story, to James Stewart & Co., Inc., 17 East 42nd St., New York. Est. $350,000. Noted Jan. 5,

N. Y., Yonkers—APARTMENT—Michael Dann & Son, 11 West Prospect Ave., Mount Vernon, brick, steel, Bronx River Rd. and Sherwood Ave., separate contracts. $300,000. L. Levine 11 West Prospect Ave., Mount Vernon, archt.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten Ave., Passaic, 4 story, basement, 90 x 100 ft., brick, steel, plain found., Putnam and Union Aves., separate contracts. $150,000. J. DeRose, 119 Edison St., Paterson, archt. Noted Oct. 4.

N. J., Jersey City — APARTMENT — B. Caminsky Constr. Co., Concourse Bldg., 5 story, basement, 75 x 125 ft., brick, steel, plain found., 122 Garrison Ave., separate contracts. $250,000. C. Shilowitz, 26 Journal Sq., archt.

N. J., Newark—THEATRE and OFFICE—Fox Theatres Corp., 850 10th Ave., New York, theatre, 4,800 seating capacity, on 46 x 181 x 349 ft. site, to Aronberg-Fried Co., 21 East 40th St., New York. Est. $7,500,000. Noted Dec. 22, 1927.

N. J., West Caldwell (mail Caldwell)—SANITARIUM—E. H. Fougner, archt., 197 Market St., Newark, general contract 3 story, basement, brick, steel, plain found. Mountain Ave. to Drill Constr. Co., Inc., 889 Broad St., Newark, for Theresa Grotto Aid for Convalescents. Est. $150,000. Noted Aug. 9.

Pa., Phila. — APARTMENT — R. B. Bencker, archt., 13th and Chestnut Sts., (1st unit), 12 story, basement, 79 x 190 ft., rein.-con., brick, steel, plain found., to F. G. Stewart, 1520 Locust St., for C. E. Seigle, 419 South 46th St. Est. $800,000. Noted Sept. 20.

Pa., Pittsburgh — GARAGE — Franklin Mortgage & Investment Co., Franklin Trust Bldg., Phila., 3 story, basement, 120 x 170 ft. garage, Magee and Locust Sts., to A. Laub, 812 Wyoming Ave., Phila. Est. $250,000. U. S. Government, lessee.

Ind., Anderson—HOTEL—Anderson Hotel Co., general contract 6 story, basement, 145 x 175 ft., rein.-con., brick, to L. Colvin, 823 Continental Bldg., Indianapolis; heating and plumbing, to Freyn Bros., 1028 North Illinois St., Indianapolis. Est. $700,000.

Mich., Detroit—APARTMENT—R. T. Moeller, 2139 Montcalm Ave., 2 story, basement, 26 x 660 ft., concrete, brick, stone, plain found., Roselawn Ave. Owner builds. $160,000. H. L. Feighner, 446 Free Press Bldg., archt.

Ill., Chicago—APARTMENT—Briar Place Building Corp., c/o Koenigsberg & Weisfeld, archts., 155 North Clark St., general contract 8 story, basement, 75 x 135 ft., fireproof, 515 Briar Pl., to B. G. Lazareff & Co., 228 North La Salle St. Est. $825,000.

Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., general contract 8 story, basement, 58 x 123 ft., with top bungalow, face brick, terra cotta, 2860 East 76th St., to H. B. Ryan & Co., 500 North Dearborn St., for A. O'Rourke, 111 West Washington St. Est. $600,000.

Ill., Chicago — APARTMENTS — Z. E. Smith, archt., 343 East Garfield Blvd., masonry contract two 3 story, 122 x 124 ft., brick, 1300-10 West 69th St., to H. Johnson, 343 East Garfield St., for W. J. McDonnell, 850 East 75th St. Est. $300,000.

Ill., Chicago — APARTMENT — H. A. Zisook (owner and carpenter), 4655 Lake Park Ave., masonry contract 3 story, 134 x 168 ft., brick, 1900-12 Pratt Blvd., to A. W. Anderson, 5511 North Spaulding Ave. Est. $300,000.

Ill., Chicago—STORE—M. F. Galdokas, archt., 1263 North Paulina St., masonry and carpentry contract 3 story, 75 x 125 ft., brick, 2538-42 West 63rd St., to J. Gerhardt & Son, 179 West Washington St., for Peoples Furniture Co., 1930 South Halsted St. $150,000.

Ill., Crystal Lake — THEATRE, STORE and APARTMENT—Crystal Lake Theatre Corp., general contract 2 story, 75 x 180 ft., brick, to United Studios, Inc., 14 West Lake St., Chicago. Est. $150,000.

Minn., Minneapolis — OFFICE and STORE — S. N. Crowen, & Co., archts., 22 West Monroe St., Chicago, Ill., Hodgson Building, 12 story, 103 x 158 ft., 2nd St. and 4th Ave. S. to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Contractor now taking sub-bids. Est. $1,360,000.

Minn., St. Paul—GARAGE and STORE—Ballard Storage & Transfer Co., O. T. Skellet, pres., 16 East 4th St., general contract 4 story, basement, rein.-con., brick, to Harris J. Hoy Co., 501 Pioneer Bldg. Est. $250,000. Noted Sept. 13.

Kan., Beloit — HOSPITAL — Hospital Comn., c/o W. S. Irwin, secy., general contract 2 story (ultimately 3 story), basement, 40 x 163 ft., and 34 x 137 ft. rein.-con., stone, brick, gypsum block hospital and 2 story, basement, 37 x 80 ft. nurses home to Peterson Constr. Co., 720 Pioneer Trust Bldg., Kansas City, Mo.; heating and plumbing, to M. M. Stevens, 316 East 12th St., Hutchinson. Est. $200,000. Noted Sept. 13.

Tex., Fort Worth — DEPARTMENT STORE — W. C. Hedrick, Inc., archts., 1005 1st Natl. Bank Bldg., 5 story, basement, brick, stone, steel, rein.-con., to Wohlfeld & Witt, Const.-Ind. Bldg., Dallas, for Tiller Fidelity Co. Est. $750,000. Noted Aug. 23.

Calif., Los Angeles—APARTMENTS—J. H. Layton, c/o L. L. Jones, archt., 2504 West 7th St., 7 story, basement, rein.-con., Ocean View Ave. and Carondelet St., to Capital Building Co., 206 East 4th St. $250,000 or more.

Calif., Los Angeles — APARTMENT — Reed & Delbridge, 7 story, basement, 60 x 150 ft., rein.-con., Wilton Pl., to E. T. Davis, W. M. Garland Bldg.

B. C., Vancouver — OFFICE — Miller, Court & Co. Ltd., 736 Granville St., 10 story, 75 x 120 ft., rein.-con., stone, terra cotta, plain found., Pender and Howe Sts., to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St., $500,000.

Ont., Leaside—OFFICE—Durant Motors of Canada, 2 story, basement, 42 x 177 ft., concrete, brick, steel addition, plain found., to Jackson Lewis Co. Ltd., Federal Bldg., Toronto, Est. $200,000.

Ont., Toronto — FURNITURE STORE — J. Eaton Co. Ltd., Yonge St., general contract 7 story, 2 basement, 206 x 246 ft., brick, steel, stone, concrete, to G. A. Fuller Co. of Canada Ltd., Metropolitan Bldg.; structural steel, to McGregor & McIntyre, 1139 Shaw St.; excavation, to Lioni & Co., 1411 Duffern St.; caissons, to Lumsden Eng. & Transport Co., Lumsden Bldg. Est. $2,500,000. Noted Aug. 23.

Buildings—Educational, Religious

Proposed Work

Me., Rockland—NURSES HOME—Knox Co. General Hospital plans by Hutchins & French, 11 Beacon St., Boston, Mass., 3 story, basement, brick, hospital grounds. $150,000-$160,000.

Mass., Brighton (sta. Boston)—LIBRARY—City of Boston, Library Dpt., Copley Sq., branch library. $150,000. Engineer and architect not selected.

Mass., Dorchester (sta. Boston)—HIGH SCHOOL — City of Boston, Schoolhouse Dpt., sketches by Newhall & Blevens, Inc., 9 Park St., Boston, 3 and 4 story, basement, brick, limestone addition, plain found., Centre St. near Codman Sq. $200,000.

Mass., Worcester—HOME—St. Francis Aid Society, J. H. Fontaine, plans by O. E. Nault, 48 Hamilton St., brick, steel, Thorne St. $200,000.

R. I., Providence — CHURCH — St. Edward's Parish, E. J. Colgan, pastor, 999 Branch Ave., sketches by J. F. Hogan, Grosvenor Bldg., altering church, 994 Branch Ave. $150,000 or more.

Conn., Coscob — SCHOOL — Bd. Educ. sketches by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., 2 story, basement, brick, steel, addition, plain found. $200,000.

Conn., Hartford — SCHOOL — City, 2nd North School Dist., J. J. Kavanaugh, chn., addition to Main St. School. $300,000. Engineer and architect not selected.

Conn., New Haven—ADMINISTRATION—Sheffield Scientific School Trustees Yale University, sketches by Zantzinger, Borie & Medary, 112 South 16th St., Phila., Pa., administration building. To exceed $150,000.

N. Y., New York—NURSES HOME—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 5 story, brick, 230 East 20th St. $200,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., plans by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, 4 story, 178 x 182 ft., brick, 172nd St. and Shakespeare Ave. $850,000.

N. J., Clifton—CHURCH—Owner, c/o J. C. Van Vlandren, archt., 140 Market St., Paterson, sketches 2 story, basement, brick, steel, plain found., East 7th St. and Vernon Ave. $150,000.

N. J., Montclair — DEMONSTRATION SCHOOL—State Bd. Educ., State House, Trenton, sketches by Gilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Morristown—SCHOOL—Bd. Educ., 50 Early St., rejected bids Sept. 12, general contract 2 story, basement, brick, steel, plain found., Liberty and Hazel Sts. $150,000. Will probably revise plans. Campbell Voorhees, Schuyler Pl., archt. Noted Sept. 27.

N. J., Riverdale—SCHOOL—Bd. Educ. plans by Rasmussen & Wayland, 36 West 47th St., New York, 2 story, basement, brick, steel, plain found. $150,000. Noted Aug. 2.

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Buildings—Educational, Religious (Cont.)

Pa., Greensburg—GYMNASIUM—Seton Hall College for Women plans by C. G. Strong, Keystone Bldg., Pittsburgh, 3 story, basement, 70 x 150 ft., brick, steel, Seton Hall. $150,000.

Miss., Starkville—AGRICULTURAL and DORMITORY—Mississippi Agricultural & Mechanical College, c/o Mississippi State Building Com., Jackson, W. C. Trotter, secy., plans by C. H. Lindsley, Lamar Life Bldg., Jackson, two 3 story, one 50 x 190 ft., other 50 x 150 ft. face brick, tile, terra cotta buildings. Noted June 28.

La., Milton—SCHOOL—Lafayette Parish School Bd. plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick, stucco, rein.-con.. found. $150,000.

La., Youngsville — SCHOOL — Lafayette Parish School Bd., plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick. $150,000.

Ind., North Manchester — SCHOOL — School Comrs. Wabash Co. (Wabash) plans by E. H. Brown, Ft. Wayne, 2 story, basement, rein.-con., brick, incl. gymnasium, auditorium, 12 class rooms, assembly hall. $150,000.

Mich., Hazel Park (br. Detroit) — SCHOOL — Bd. Educ. plans by F. Eurich, 415 Brainard St., Detroit, 2 story, basement, rein.-con., brick, steel, stone, plain found., John R. St. $350,000.

Mich., Pontiac—COMMUNITY—Central Methodist Episcopal Church, plans by Methodist Episcopal Church Bureau of Architecture, 1701 Arch St., Phila., Pa., 2 story, basement, steel, incl. auditorium, 1,500 seating capacity, West Huron St. $150,000.

Kan., Topeka—HIGH SCHOOL—Bd. of Educ., c/o Secretary, soon takes bids Junior High School, 2 story, basement, rein.-con., brick, stone, South Topeka St. $160,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., archts.

Bids Desired

Mass., Ashland—SCHOOL—Oct. 20, by Town, E. R. Dearborn, chn. building com., 2 story, basement, 60 x 140 ft. and 45 x 75 ft. wing, brick, stone, plain found. near Town Hall. $150,000. W. H. Brainard Associates, 89 Franklin St., Boston, archts. Noted Aug. 2.

Conn., Bridgeport — COMMUNITY — St. Charles Roman Catholic Parish, J. J. McGivney, pastor, taking bids 2 story, basement, 65 x 128 ft., brick, steel, cast stone community building. $150,000. J. A. Jackson, 185 Church St., New Haven, archt.

Conn., West Hartford (br. Hartford)—HIGH SCHOOL—Oct. 19, by Town West Hartford, School Bd., 4 story, 60 x 230 ft., brick, steel addition to Alfred Plant Junior High School. $300,000. R. F. Barker, 43 Farmington Ave., Hartford, archt. R. J. Percival, 15 Lewis St., Hartford, engr.

N. Y., Potsdam—SCHOOL—Lansing & Green, archts., 601 North Trust Bldg., Watertown, bids about Nov. 1, 2 story, basement, 70 x 276 ft., rein.-con., brick, LeRoy St., for Bd. Educ., H. Bubly, pres. $300,000. E. E. Palmer, Everson Bldg., Syracuse, heating engr.

N. J., Dunellen — SCHOOL — Bd. Educ. Old New Market Rd., bids about Oct. 15, general contract 2 story, basement, brick, steel, plain found., 1st St. and Lincoln Ave. $150,000. A. M. Korff, 203 Park Ave., Plainfield, archt. Noted Aug. 23.

N. J., East Orange — CHURCH — Holy Name of Jesus Parish, E. A. Deegen, pastor, taking bids 1 story, tower, 75 x 160 ft., limestone, marble, Midland Ave. and Todd St. $300,000. Maginnis & Walsh, Statler Bldg., Boston, Mass., archts.

N. J., Jersey City—CHURCH, PARSONAGE and PARISH HALL—W. Neuman, archt., 40 Journal Sq., bids about Oct. 15, general contract 1 story, basement, brick, steel, plain found., Woodward St. and Communipaw Ave., for Christ Evangelical Church, 179 Woodward Ave. $150,000. Noted Aug. 9.

N. J., Secaucus (Ind. br. West New York) —SCHOOL—Bd. Educ., Town Hall, Paterson Plank Rd., bids about Nov. 1, general contract 2 story, basement, brick, steel, plain found., County Ave. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt.

N. J., Tenafly—SCHOOL—Bd. Educ., Boro Hall, Washington St., bids about Oct. 15, 2 story, basement, brick, steel, plain found. $250,000. E. Sibley, Bluff Rd. Palisade, archt. Noted Aug. 9.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, Center St., bids about Nov. 1, general contract 2 story, basement, brick, steel, plain found. $325,000. A. E. Dore, 173 Main St., Hackensack, archt. Noted May 17.

Pa., Phila.—DORMITORY—Oct. 15, by R. L. Gill, archt., 5600 Germantown Ave., rein.-con., brick, steel, plain found., Front and Lehigh Sts., for Episcopal Hospital, Front and Lehigh Sts.

Pa., State College—DORMITORY—Oct. 29, by C. Z. Klauder, archt., 1429 Walnut St., Phila., 3 story, basement, 74 x 201 ft., rein.-con., brick, steel, plain found., for Penn State College. $200,000.

Md., Baltimore—CHURCH and PARSONAGE—Oct. 16, by Frohman, Robb & Little, archts., 16 Jackson Pl., Wash., D. C., and 140 Boylston St., Boston, Mass., general contract 1 story, basement, 57 x 120 ft., stone, 33rd and Alameda Blvd., for Church of Our Savior English Lutheran Church, A. Strenke, pastor. $150,000. Noted Aug. 30.

Md., Baltimore—HOME—Oct. 16, by J. Evans Sperry, archt., Calvert Bldg., and F. E. Hahn & S. B. Baylinson, assoc. archts., 629 Chestnut St., Phila., Pa., 4 story, 179 x 195 ft., brick, Monument St., for Y. M. H. A., c/o architects.

Mich., Battle Creek — CHURCH — A. B. Chanel, archt., 717 Post Bldg., revising plans and takes bids about Oct. 15, 2 story, basement, 90 x 145 ft., concrete, brick, steel, plain found., East Van Buren St., for St. Philips Parish, 92 Maple St. $150,000.

Mich., Owosso — HIGH SCHOOL — Oct. 30, by Clerk Bd. Educ., 2 story, basement, rein.-con., brick, stone high school. $400,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archts. Noted Oct. 4.

Mich., Pontiac — HIGH SCHOOL — Oct. 23, by R. Hazelton, secy. Bd. Educ., High School Bldg., 2 story, basement, 200 x 264 ft., rein.-con., brick, steel, plain found., Washington Site. $485,000. Noted Sept. 20.

Ill., Chicago—HIGH SCHOOL—Oct. 18, by Bd. Educ., 650 South Clark St., E. Withall, bus. mgr., additions to Kelwin Park Junior High School, 4343 Wrightwood Ave., and Hawthorne School, 3300 North Seminary Ave. P. Gerhardt, c/o owner, archt.

Ill., Evanston — COMMUNITY HOUSE and CHAPEL — Tallmadge & Watson, archts., 160 North La Salle St., Chicago, bids about Oct. 19, 2 story parish house and chapel, Hinman Ave., for First Methodist Episcopal Church. $500,000.

Wis., Milwaukee—CHURCH—Oct. 15, by R. A. Mesmer & Bro., archts., 221 Wisconsin Ave., 3 story, 42 x 100 ft., brick addition, rein.-con. found., Hampshire Ave., for Plymouth Congregational Church, 757 Maryland Ave.

Ia., Davenport—SCIENCE HALL—St. Ambrose College, U. A. Hauber, pres., bids about Jan. 1, Lewis Memorial Science Hall, 3 story, basement, 60 x 140 ft., rein.-con., brick, on campus. $150,000. R. Meling, 7144 Ellis Ave., South Chicago, Ill., archt.

Ark., North Little Rock (Ind. br. Little Rock)—SCHOOL—Oct. 22, by Bd. Educ., W. H. Phipps, secy., 4 story, basement, brick, concrete, stone, 22nd and Main Sts. $500,000. G. R. Mann, Wanger & King, New Donaghey Bldg., Little Rock, archts. Noted July 5.

Ont., Walkerville—SCHOOL—Oct. 15, by W. Thorborn, secy. Bd. Educ., 151 Victoria Ave., 2 story, basement, rein.-con., brick, steel, plain found., Windermere Ave. $175,000. Nicols, Sheppard & Masson, Equity Chambers, Windsor, archts.

Contracts Awarded

Mass., Everett (br. Boston)—SCHOOL—City, School Building Com., D. R. W. Murdock, chn., 2 story, basement, 105 x 120 ft., brick, stone, plain found., to J. E. Dyer Constr. Co., 80 Boylston St., Boston, $170,000. Noted Sept. 27.

Mass., Framingham — SCHOOL — Town, C. A. Potter, chn. School Com., 6 Beaumont Bldg., 2 story, basement, brick, stone, plain found., to I. P. Rockford, 465 Main St., Rockland. Est. $150,000. Noted Sept. 27.

Mass., Longmeadow (mail Springfield)—SCHOOL—Town, c/o H. Dudley, 73 Colton Pl., 2 story, 130 x 135 ft., brick, timber, plain found., to W. J. Quinn, Main St. Est. $150,000. Noted Sept. 27.

Mass., Stoneham (Ind. br. Boston) — HIGH SCHOOL — Town J. Butler, chn. building comn., 2 story, basement, brick, stone, plain found., Williams St., to F. J. Green, 60 Crossman Ave., Beach Bluffs. Est. $150,000.

Conn., Hartford—GYMNASIUM—Trinity College Trustees, R. B. Ogilby, pres., 58 ft. high, 64 x 120 ft., brick, steel, brownstone gymnasium, incl. 30 x 75 ft. swimming pool and 6 squash racquet courts, to R. G. Bent Co., 93 Edwards St. Est. $150,000.

N. C., Raleigh—HIGH SCHOOL—School Comn., H. F. Srygley, supt., general contract 3 story, basement, concrete, steel, incl. 52 classrooms, 1,600 seating capacity auditorium, gymnasium, cafeteria, to J. W. Hudson, Jr., Raleigh, $321,321; heating, to W. H. Bond & Co., Inc., 404 West Davie St., $30,765. Noted Sept. 20. Electrical work, to Thompson Electrical Co., 13[illegible] Fayetteville St., $9,890; plumbing, to W[illegible] & Trull, 120 West Davies St., $16,694.

La., New Orleans—MUSIC SCHOOL—E. Weil, archt., Whitney Bldg., Dixon Hall, 2 story, rein.-con., brick, steel, wood pile found., Newcomb St., to R. P. Farnsworth, Maritime Bldg., New Orleans, for Public Newcomb Musical College. $213,814. Noted Sept. 6.

Ky., Louisville — HIGH SCHOOL — Bd. Educ., general contract 3 story, part basement, 159 x 238 ft., rein.-con. brick, tile, to G. H. Rommel Co., 956 Logan St., $277,000; heating and ventilating, to Redmon Heating Co., 121 North 4th St., $59,000.

Ind., Indianapolis — SCHOOLS — School Comrs., 150 North Meridian St., general contract School 80, to Karstedt Constr. Co., 254 North Capitol St., est. $192,500; School 47, to Benjamin Bass Co., 4003 North New Jersey St. est. $121,275; School 43, to W. P. Jungslaus Co., 825 Mass Ave., est. $88,200; School 66, to Service Constr. Co., 301 Castle Hall, est. $170,890, all 2 story, basement, brick. Noted Feb. 23.

Ill., Moline—CATHEDRAL—Scottish Rite Cathedral Assn., white Indiana lime stone, 18th St. and 7th Ave., to Bergstedt Constr. Co., Moline, $287,162.

Ill., Winnetka — SCHOOL — Bd. Educ., general contract 2 and 3 story addition, to J. Shedden & Co., 208 West Washington St. Est. $150,000. Noted Apr. 26.

Minn., Duluth—PARISH HOUSE—F. W. Paine, warden St. Pauls Episcopal Church, 1710 East Superior St., 4 story, 54 x 102 ft., rein.-con., brick, 17th Ave. and East Superior St., to R. J. MacLeod & Son, Builders Exch., $150,000.

Federal Government Work

Proposed Work

Md., Annapolis—COAL BUNKER—Spec. 5756—Bureau Yards & Docks, Navy Dpt., Wash., D. C., extending coal bunker, at High Power Radio Station, Naval Academy.

Tex., San Antonio—AIRPORT—U. S. Engineer Office army airport and flying field, 11 mi. north of here. Noted Aug. 31.

Bids Desired

Connecticut—RIP RAP STONE—Oct. 16, by Superintendent Lighthouses, Bay St., St. George, N. Y., 2,100 tons rip rap stone foundation for Barlett Point Light, Thames River.

N. Y., St. George—CHAIN—Oct. 15, by Superintendent Lighthouses, 36 pieces, 2 in. stud link cast steel lightship chain, 78 cast steel shackles, 30 cast steel swivels, six 7,000 lb. cast steel mushroom anchors.

Pa., Olyphant — POST OFFICE — Nov. 2, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 11.

Delaware—JETTY—Nov. 5, by U. S. Engineer Office, Wilmington, repairing north jetty at entrance to Wilmington Harbor, Christiana River; adv. E. N.-R. Oct. 11.

S. C., Charleston—STEEL LIGHTER—Oct. 20, by Superintendent of Lighthouses, 100 ton steel lighter.

Ill., Savanna—MAGAZINE BUILDINGS, etc.—Dec. 1, at office Constructing Quartermaster, 24 magazine buildings and nonclimable fence at Savanna Ordnance Dpt.; adv. E. N.-R. Oct. 11.

Bids Received

Pa., Sharpsburg—POOL, WALKS, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Oct. 2, pool, walks, steps, grading, at U. S. Veterans' Hospital, from G. Ferrone, Blawnox, Pa., $14,000 (60 days).

Del., Newark—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Oct. 4, U. S. Post Office, from J. P. Foley & Sons, Inc., 80 Boyle St., Boston, Mass., $52,920.

La., New Orleans—LEVEE WORK—U. S. Engineer Office, Riverfront and Burdette Sts., dredging 242,000 cu.yd. Brabston Levee, in Lower Tensas Dist., from H. B. Blank, 1st Natl. Bank Bldg., Vicksburg, Miss., at $0.2655 per cu.yd.; 150,000 cu.yd. Shaw-Blackhawk Levee, Lower Tensas Dist., and 310,000 cu.yd. Alford Levee in Atchafalaya Dist., from Dameron & Kenyon, Port Allen, $0.1565 and $0.23 respectively; 190,000 cu.yd. Ames Levee, Lafourche Dist. and 295,000 cu.yd. Hope Levee, Pontchartrain Dist., from Lower Coast Constr. Co., Godchaux Bldg., $0.1621 and $0.175 respectively; 580,000 cu.yd. Margaret Levee, Pontchartrain Dist., from Lewis-Chambers

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Federal Government Work (continued)

Constr. Co., New Orleans $0.234; 172,000 cu.yd. Evans Point Levee, Atchafalaya Dist., from Howard Kenyon Dredging Co., 3605 McKinley St., Houston, Tex. $0.1375; 16,000 cu.yd. Tin Barn Levee, Atchafalaya Dist., from O. O. Ogden, Baton Rouge, $0.262; 30,000 cu.yd. Neita Levee, Red River Atchafalaya and Bayou Bouef Dist., from K. A. Lindolt, $0.25; 60,000 cu.yd. Elba Levee and 145,000 cu.yd. Richard Levee, same district from Grasser Constr. Co., Maritime Bldg., New Orleans, $0.18; 145,000 cu.yd. Richard Levee, same district, from McWilliams Dredging Co., New Orleans Bank Bldg., $0.165. Noted

Calif., San Diego—CRANE—Spec. 5713—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Oct. 3, electric bridge crane at Naval Operating Base, from Judson Pacific Co., 601 Mission St., San Francisco, $12,300. Noted Sept. 13.

Contracts Awarded

Mass., Boston—RETAINING WALL, etc.—Treas. Dpt., at office Supervising Archt., Wash., D. C., retaining wall, coal pocket at Gallops Island Quarantine Station to C. H. Holmes Constr. Co., 67 Bonair St., Somerville.

Pa., Phila.—BREAKWATER—U. S. Engineer Office, breakwater of ship hull, to Phila. Derrick & Salvage Corp., Bourse St., $155,520. Noted Aug. 30.

Maryland—DREDGING—U. S. Engineer Office, Custom House, in Crisfield Harbor, to Absecon Dredging Co., Absecon, N. J., $32,657; in Cambridge Harbor, to Lukens Dredging & Constr. Corp., Calvert Bldg., Baltimore, $9,742. Noted Aug. 23.

Md., Perry Point—PORCHES—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., porches for Buildings 1 to 5 (inclusive), to J. George Bensel Co., 3005 Shannon Dr., Baltimore, $15,131.

Va., Norfolk—RIP RAP—U. S. Engineer Office, 3,032 tons rip rap stone for repairing Craney Island Bulkhead, to Oscie-Dashiell & Co., Portsmouth, $11,976. Noted Sept. 6.

Ky., Outwood—FIRE ALARM SYSTEM—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Sept. 18, fire alarm system at U. S. Veterans Hospital, to Greenwood Electrical Co., 4849 Chestnut St., Phila., Pa., $8,195. Noted Aug. 30.

Wash., Smith Island—POWER HOUSE, etc.—Spec. 5674—Bureau Yards & Docks, Navy Dpt., Wash., D. C., power house, flushing water system, at Naval Radio Compass Station, to B. Ward, 2512 Boylston Ave., North Seattle $5,858 (120 days).

Calif., Riverside — QUARTERS — Constructing Quartermaster, one set bachelor officers quarters, to Los Angeles Constr. Co. & C. G. Wopschall, 2341 London St., Los Angeles, $110,000. Noted Aug. 23.

Calif., San Diego—PAVING—Spec. 5744—Bureau Yards & Docks, Navy Dpt., Wash., D. C., paving flying field at Naval Air Station, to Hazard Contg. Co., 2548 Kettner Blvd., $28,150. (90 days).

FEDERAL POWER COMMISSION

Application for License and Permits Applications

925—City of Ottumwa, Ottumwa, Ia., wants preliminary permit power project on Des Moines River in Wapello Co.

926—Pacific Gas & Electricity Co., 245 Market St., San Francisco, Calif., wants license transmission line partly within Tahoe Natl. Forest, Placer Co.

Unclassified

Proposed Work

WHARF REPAIRS—**South Boston** (sta. Boston), **Mass.**—American Sugar Refining Co., 131 State St., Boston, repairing wharf near Granite St. $25,000. Silsbee & Gould, Ames Bldg., Boston, engrs.

PIER and STATION—**Buffalo, N. Y.**—Cleveland & Buffalo Transit Co., G. A. Bomm, genl. mgr., foot East 9th St., Cleveland, O., plans by W. S. Lougee, 500 Marshall Bldg., Cleveland, rein.-con. pier and station. $350,000.

POLICE and FIRE ALARM SYSTEM—**Poughkeepsie, N. Y.** — Common Council bids after Jan. 1, police and fire alarm systems. $179,000 voted for same. T. F. Lawlor, city engr.

TRAFFIC LIGHT SYSTEM—**New Jersey** — Bd. Blvd. Comrs., Court House, Jersey City, traffic light system on Hudson Co. Blvd. from Bayonne, Jersey City to Hudson Co. line. $50,000. F. J. Radigan, Court House, Jersey City, co. engr.

TRAFFIC LIGHTS—**Union City, N. J.**—Bd. City Council, City Hall, preliminary plans extending thaffic lighting system, throughout lower section city. $50,000. J. C. Maulbeck, city engr.

NATURAL GAS PIPE LINE — **Texas** — Tri-Tex Utilities Co., c/o Gunter Bldg., San Antonio, 200 mi. 8 in. gas pipe line in northern Zavalla Co., also towns in Maverick, Dimmit, La Salle and Frio Counties. $2,000,000. Private plans.

TANK FARM—**Palestine, Tex.**—Humble Oil & Refinery Co., Humble Bldg., Houston, and Frost Bank Bldg., San Antonio, steel tank (oil) farm on 200 acre tract in eastern section Anderson Co. $300,000 or more.

TRANSMISSION LINE — **Oklahoma** — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, preliminary plans 33,000 volt transmission line between Macomb and Wanette. $60,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

OIL PIPE LINE—**Oklahoma and Illinois**—Texas Pipe Line Co., Texas Co. Bldg., Houston, (subsidiary Texas Corp., 17 Battery Pl., New York), surveys 600 mi. 8 in. main oil line from Tulsa, Okla., to Lockport, Ill., also increasing refinery from 6,000 to 15,000 bbl. daily in Lockport, Ill. Private plan.

OIL PIPE LINE—**Oklahoma and Iowa**—Empire Oil & Refining Co. (subsidiary Engineering Department Cities Service Co., 60 Wall St., New York), 400 mi. 8 in. oil pipe line, 40,000 bbl. daily capacity from Ponca City, Okla., to Iowa Refinery; tanker barges and 10,000 bbl. initial and 40,000 bbl. ultimate capacity oil refinery along Mississippi River in Iowa. $16,000,000.

POWER TRANSMISSION — **Colorado** — Commonwealth Utilities Corp., W. J. Rookstool, preliminary plans power transmission line extension and improvements from Colorado Springs to Calhan, Simla, Hamah, Castle Rock, Monument and back to Colorado Springs.

TUNNEL — **Leadville, Colo.** — State Hy. Dpt., Denver, concreting 2 mi. Carleton Tunnel west of here. $100,000. L. D. Blauvelt, hy. engr.

GRANDSTAND, EXPOSITION, SWIMMING POOL and ANIMAL SHEDS — **Pueblo, Colo.** — Colorado State Fair Comm. c/o J. J. Clark, First National Bank Bldg., plans by W. DeMordaunt, 738 First National Bank Bldg., concrete, steel grandstand, seating capacity 10,000, $250,000; fair exposition building, swimming pool and animal sheds. $300,000.

UNDERGROUND WIRES—**London, Ont.**—See "Streets and Roads under Contracts Awarded."

Bids Desired

FLOOR SUPPORTS—**Brooklyn, N. Y.**—Oct. 19, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., additional supports for floors in shops Coney Island Yard of Rapid Transit R.R., Agreement "GS."

SUBWAY—**Buffalo, N. Y.**—Oct. 11, by G. Fisk, comr. P. Wks., Municipal Bldg., pedestrian subway, opposite School 17, in Main St., near Delavan; walks, drives, retaining walls, etc. at Massachusetts Ave. Playground. C. E. B. Babcock, city engr.

STATION FINISH—**New York, N. Y.**—Oct. 19, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., station finish for 50th, 59th Street-Columbus Circle and 72nd St. Stations of Rapid Transit R.R.

STRUCTURAL METAL WORK—**Phila., Pa.**—Oct. 19, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., structural metal work, Contr. 78-1928.

OPERATORS HOUSES and WALLS — **Chicago, Ill.**—Oct. 15, by City, City Hall, operators houses, enclosure walls for double leaf trunnion bascule bridge over south branch Chicago River at Roosevelt Rd. R. W. Wolfe, comr. P. Wks.

BOILERS, STOKERS, etc.—**Milwaukee, Wis.** — Oct. 15, by Dpt. P. Wks., R. E. Stoelting, comr., moving, resetting boilers in boiler room at North Point Pumping Station, two 400 hp. horizontal water tube boilers, furnishing, installing mechanical stokers, soot blowers, power plant piping, etc.

Bids Received

PIER SHED—**Baltimore, Md.**—At office City Register, City Hall, Oct. 3, 1 story, 160 ft. x 1,000 ft. pier shed with 33 ft. apron on west side and 21 ft. on east side, piling, docking, fills, concrete pedestals, from Northeastern Contg. Co., Lexington Bldg., $956,450. Noted Sept. 20.

Contracts Awarded

RACE TRACK, etc.—**Framingham, Mass.**—J. C. Hopewell, c/o G. H. Sidebottom, archt., 101 Tremont St., Boston, 1/3 mi. enclosed and ¼ mi. open race tracks, 1 and 2 story, 80 x 180 ft., timber barn, to C. Drake, 222 Walnut St.

TRANSFORMER BUILDING — **New York, N. Y.**—Bd. Health, 505 Pearl St., transformer building, light and power house system additions at Riverside Hospital, to Fischback & Moore, Inc., 226 East 41st St., $24,640. Noted Sept. 13.

SWIMMING POOL—**Rye, N. Y.**—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, rein.-con. recirculating type outdoor swimming pool at Rye Beach Amusement Park, to John G. Mapes Co., 38 East Post Rd., White Plains, $39,550. Noted Sept. 13.

PLAZA — **Atlantic City, N. J.** — City Comrs., plaza on boardwalk opposite hall, to Atlantic Constr. Co., Atlantic City, $294,440; electrical equipment for convention hall, to Fischback & Moore, Inc., 226 East 41st St., New York, $529,422; public address system, to Graybar Electric Co., 910 Cherry St., Phila., Pa. $199,602. Grand total $1,023,464. Noted Apr. 7, 1927, under "Buildings—Commercial."

TRANSMITTING STATION—**Lawrenceville, N. J.**—Amer. Telephone & Telegraph Co., 15 Dey St., New York, two 2 story, basement, one 76 x 96 ft., other 60 x 76 ft., concrete, brick trans-ocean transmitting station, 4,500 lin.ft. antenna system, roads, to Morton C. Tuttle Co., 31 St. James Ave., Boston, Mass.

LIGHTING SYSTEM—**Weehawken, N. J.**—Bd. Blvd. Comrs., Court House, ornamental lighting system on Boulevard East from Highwood to Willow Aves., to W. J. Coleman, 11 Oakland Ave., Jersey City, $21,318.

AVIATION FIELD — **Phila., Pa.** — See "Streets and Roads."

LOADING DOCK—**Alabaster, Mich.**—U. S. Gypsum Co., 300 West Adams Ave., Chicago, Ill., concrete loading dock resting on 9 rock filled timber cribs, incl. elevated steel bunkers with bottom dumps for discharging stone into boats, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, Ill. Est. $75,000.

LOADING DOCK — **Detroit, Mich.** — Chrysler Motor Car Corp., East Jefferson Ave., 2,180 ft. rein.-con., steel loading deck, to W. E. Wood Co., 1805 Ford Bldg. Est. $60,000.

COALING STATION—**Lansing, Mich.**—Grand Trunk Ry., 400 East Jefferson Ave., Detroit, J. A. Heaman, ch. engr., 400,000 ton coaling station, rein.-con. steel, to Ogle Constr. Co., 288 Jackson Blvd., Chicago, Ill. Est. $65,000.

GUARD RAIL — **South Dakota** — See "Bridges."

OIL PIPE LINE — **Texas** — Texas Pipe Line Co., Texas Co. Bldg., Houston (subsidiary Texas Co., 17 Battery Pl., New York), constructing 120 mi. 10 in. and 470 mi. 12 in. pipe line from point near Pecos to Port Arthur, to Smith Bros., 117 Villita St., San Antonio, $2,000,000.

Materials

Bids Desired

ASPHALTIC OIL—**New Jersey**—Oct. 22, by State Hy. Comn., Trenton, 22,600 gal. asphaltic oil, Grade H. K. or tar Grade K. P. or U. C. in barrels. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 11.

GRAVEL—**Phila., Pa.**—Oct. 15, by Dpt. Supplies, City Hall, 3,400 tons bank or river gravel, Class 216. T. F. Watson, dir.

STEEL RAILS—**Phila., Pa.**—Oct. 19, by C. D. Young, genl. purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., 260,000 tons steel rails, Contr. 4324.

WATER METERS — **Chicago, Ill.** — Oct. 16, by City, City Hall, eleven thousand four hundred 1, 1½ and 2 in. disc water meters at Municipal Meter Shops, 3148 South Sacramento Ave. R. W. Wolfe, comr. P. Wks.

BRIDGE LUMBER—**Leon, Ia.**—Oct. 18, at office Auditor Decatur Co., 269,143 ft. Douglas fir untreated bridge lumber, 6,960 ft. Southern red cedar and 2,310 ft. creosoted yellow pine piling. F. K. Brown, Leon, co. engr.

Contracts Awarded

ASPHALTIC MACADAM BINDER, etc. — **St. George, N. Y.** — J. A. Lynch, pres. Richmond Boro, Boro Hall, 20,000 gal. asphaltic macadam binder, to Standard Oil Co., 26 Bway., New York, $2,154; 600 tons bituminous concrete in Dists. 1, 2 and 3, to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $9,744. Noted Oct. 4.

GUARD RAIL—**Clarion, Ia.**—Wright Co., to G. Cronkhite, Perry, 1,200 ft. cable guard rail at $0.22 per ft., 6 anchors $7 each.

See proposal advertising on page 140

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UNIT PRICES

Tunnel—Boston, Mass.

Metropolitan District Water Supply Comm., 24 School St., opened bids Nov. 18, 1927, (contract awarded Apr. 30 1928) Contract 14, Wachusetts-Coldbrook Tunnel, 14 mi. long, in towns of West Boylston, Holden, Rutland, Oakham and Barre. Tunnel will be lined with concrete and will generally be of horseshoe type, 12 ft. 9 in. high by 11 ft. wide inside lining, and will be driven from eight shafts varying from 8,800 ft. to about 11,600 ft. apart, two of which 205 ft. and 245 ft. in depth are included in contract. Other six intermediate shafts varying from 315 ft. to 660 ft. in depth included in former contract. Bids were considered three ways: Proposal A, entire tunnel; Proposal B, East portion; Proposal C, West portion. Unit prices of the lowest and highest bidders are given on each proposal. (A) Winston & Co., Inc., Kingston, N. Y.; (B) Patrick McGovern, Inc., 50 East 42nd St., New York; (C) J. P. Porter, Porter Bldg., Portland, Ore., (awarded contract Proposal B); (D) Coleman Bros., Inc., 245 State St., Boston; (E) Coughlan & Porter, 27 School St., (awarded contract Proposal C); (F) P. F. Connolly, Long Island City, N. Y. Frank E. Winsor, chief engineer.

Quantities A	Quantities B	Quantities C	Unit		Proposal A A	Proposal A B	Proposal B C	Proposal B D	Proposal C E	Proposal C F
1,000	1,000	.....	Cu.yd.	Earth excavation for Shaft 1	$11.40	$18.60	$8.00	$6.00	.....	.....
9,400	3,400	6,000	Cu.yd.	Rock excav. in shafts and tunnel within 50 ft. of shaft center lines	11.40	18.50	12.00	20.00	$12.00	$18.00
530,000	240,000	290,000	Cu.yd.	Excav. in tunnel, except within 50 ft. of shaft center lines	11.40	14.20	10.75	16.50	11.00	13.00
1,000	500	500	Cu.yd.	Enlargement of shafts and tunnel in rock	11.40	30.00	12.00	20.00	12.00	10.00
74,000	33,700	40,300	Lin.ft.	Shaft and tunnel drainage	6.50	2.00	2.00	10.00	2.00	8.50
215	215	.....	Lin.ft.	Forms for preliminary conc. lining in Shaft 1	10.00	80.00	15.75	13.00	.....	.....
250	.....	250	Lin.ft.	Forms for preliminary conc. lining in Shaft 8	10.00	100.00	.....	.....	15.75	15.00
75	25	50	Lin.ft.	Forms for conc. linings of shafts 2, 3, 4, 5, 6 and 7	10.00	100.00	1.00	13.00	1.00	5.00
74,000	33,750	40,250	Lin.ft.	Forms for conc. lining in tunnel	4.00	2.00	2.60	10.00	3.50	9.00
4,000	2,300	1,700	Cu.yd.	Conc. masonry in shafts	10.00	15.60	10.00	15.00	10.00	12.00
170,000	77,000	93,000	Cu.yd.	Conc. masonry in tunnel	6.90	17.90	7.50	13.00	8.00	11.90
3,500	3,000	500	Cu.yd.	Conc. masonry not included in Items 10 or 11	12.00	20.00	15.00	15.00	10.00	18.00
1,000	500	500	Cu.yd.	Excess conc. masonry in shafts and tunnel	3.00	3.00	3.00	3.00	3.00	3.00
1,250	500	750	M.F.B.M.	Permanent timbering in tunnel	60.00	150.00	35.00	150.00	25.00	120.00
100	50	50	M.F.B.M.	Temporary timbering in tunnel	60.00	15.00	100.00	100.00	100.00	110.00
7,500	3,000	4,500	Cu.yd.	Dry packing	2.00	10.00	1.00	4.00	1.00	4.00
2,000	1,000	1,000	Lin.ft.	Drilling holes in rock or masonry	1.00	.20	.50	.25	.50	.25
10,000	5,000	5,000	Lin.ft.	Steel pipe for grouting, etc.	.30	.30	.30	.20	.30	.25
1,000	500	500	.....	Connections for grouting	1.00	2.00	1.00	.50	1.00	.20
1,000	500	500	Ton	Sand for grout	.50	2.50	5.00	2.00	5.00	3.00
5,000	2,500	2,500	Cu.yd.	Mixing and placing grout	6.00	5.00	7.00	10.00	7.00	15.00
320,000	150,000	170,000	Bbl.	Portland cement	2.70	3.50	2.65	2.50	2.60	2.50
50,000	45,000	5,000	Lb.	Steel for reinforcing conc.	.06	.06	.08	.05	.05	.10
25,000	23,000	2,000	Cu.yd.	Earth excav. not included in Item 1	1.30	7.00	1.00	1.00	2.00	2.00
800	400	400	Cu.yd.	Rock excav. not included in Items 2, 3 or 4	5.00	10.00	4.00	7.00	4.00	4.00
25,000	24,000	1,000	Cu.yd.	Refilling and embanking	.40	5.00	1.00	1.00	1.00	2.00
5,000	5,000	.....	Cu.yd.	Removal of soil	1.30	3.00	1.00	1.00	.....	.....
3,500	3,500	.....	Cu.yd.	Surface dressing or top soil	1.00	3.00	1.00	1.00	.....	.....
1,000	1,000	.....	Cu.yd.	Impervious soil blankets and cores	1.00	5.00	5.00	1.00	.....	.....
5	5	.....	Acre	Seeding and grassing	100.00	1,000.00	500.00	300.00	.....	.....
375,000	350,000	25,000	Lb.	Miscellaneous cast iron, wrought iron and steel	.12	.10	.08	.10	.12	.20
12,500	11,000	1,500	Lb.	Galvanizing	.04	.05	.05	.05	.05	.05
9,000	7,500	1,500	Lb.	Miscellaneous bronze, brass and copper	.40	.50	.50	.50	.50	1.00
120,000	40,000	80,000	Lb.	Caring for and setting metalwork	.03	.03	.03	.03	.03	.07
600,000	.....	600,000	Lb.	Caring for and setting cast iron lining for shaft 8	.03	.03	.....	.....	.02	.07
1,800	1,800	.....	Lin.ft.	Tile pipe 6 in. and less in diameter	.50	.50	1.25	.50	.....	.....
2,200	2,200	.....	Lin.ft.	Tile pipe 8 to 12 in. inclusive in diameter	1.00	1.50	1.60	.75	.....	.....
250	250	.....	Cu.yd.	Ashlar masonry, except for copings	60.00	150.00	35.00	50.00	.....	.....
60	58	2	Cu.yd.	Ashlar masonry for copings	80.00	200.00	50.00	70.00	50.00	100.00
300	290	10	Cu.yd.	Paving	8.00	5.00	5.00	8.00	5.00	5.00
7,000	6,900	100	Cu.yd.	Crushed stone, gravel and sand	2.50	3.00	3.00	4.00	4.00	3.00
80	30	50	Lin.ft.	Reinforced concrete ladders	4.00	5.00	2.50	5.00	2.50	15.00
Construction of Shaft 1 in addition to compensation under other items					3,000.00	25,000.00	1,000.00	20,000.00	.....	.....
Construction of Shaft 8 in addition to compensation under other items					3,000.00	25,000.00	.....	.....	1,000.00	20,000.00
2,000	1,800	200	Lin.ft.	Construction of cir. sect. tunnel, Type P, in addition to compensation under other items	2.00	10.00	10.00	5.00	10.00	10.00
7,000	6,000	1,000	Lin.ft.	Fences for sanitary protection	1.50	2.00	.50	.60	1.50	2.00
25	5	20	M.F.B.M.	Timber and lumber not in tunnel or shaft	100.00	150.00	75.00	100.00	75.00	110.00
45	45	45	Mo.	Medical and hospital services	1,000.00	2,000.00	100.00	500.00	100.00	1,000.00
45	45	45	Mo.	Sanitary services	800.00	2,000.00	100.00	1,000.00	100.00	1,000.00
20,000	10,000	10,000	Lb.	Chlorinated lime	.08	.05	.15	.10	.15	.10
10,000	10,000	.....	Lb.	Liquid chlorine	.12	.12	.15	.20	.....	.....
4	4	.....	...	Chlorine dosing machines	1,000.00	2,000.00	2,500.00	1,000.00	.....	.....
8	4	4	...	Locker houses	3,500.00	10,000.00	600.00	5,000.00	600.00	7,500.00
				Cleaning up (lump sum)	8,000.00	50,000.00	1,000.00	1,000.00	1,000.00	30,000.00
Totals					$9,530,480	$13,598,275	$4,074,981	$6,569,450	$4,799,363	$6,549,275

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